



cutting through complexity

KPMG Global Energy Institute Europe,
Middle East & Africa

European Power & Utilities Report

Q3 2015



Overview last quarter evolution in European Power & Utilities sector

1

Prices and margins

- Prices in France and Germany have shown significant volatility in the period, ending at 40€ /MWh and 32€ /MWh baseload respectively.
- UK prices continued stable around 41 €/MWh . In Spain prices have fallen below 55€/MWh
- Brent prices continued the downward trend started in June, closing below 50\$/bbl. Gas prices continued declining across regions while coal prices have resumed their downward trend. Carbon prices kept growing in the period, reaching 8€/T
- Gas margins remained negative in Germany, whereas in France some positive values were registered in September. In Italy and the UK margins finalized the period slightly positive, despite a momentary peak in Italy during July.
- Coal-fired margins (dark spreads) ended the quarter at around 10 €/MWh in Germany, 5 €/MWh in the UK, 20€/MWh in Italy and 20€/MWh in France.

2

Regulatory news

- The European Commission published the regulation 2015/1222 on capacity allocation and congestion management (CACM).
- The Ministry of Industry of Spain published a Royal Decree on self-consumption (RD 900/2015).
- UK Government launched a full review of the small scale Feed in Tariffs regime.
- Netherlands' regulator (ACM) approved new auction rules for cross-border electricity trade.
- France Regulator (CRE) approved a contract type for the electricity sales in Day Ahead between RTE and the PV and Wind plants of EDF.
- German CHP law has been reviewed and coal / lignite-fired plants will no longer receive funds.

3

Capital markets

- Eurostoxx Utilities index has declined 7,8% QoQ.
- Endesa has been the only stock with a positive evolution on Q3 2015, while Enel Green Power and Iberdrola have remained stable.
- Worst performers in the quarter included RWE, E.ON and Fortum.
- Valuation levels remain at 7,8 EV/EBITDA in Q3 2015.
- Net debt levels have increased from 3,20 in Q2 2015 to 3,32 x EBITDA in Q3 2015.

4

M&A

M&A activity in the Energy sector remained intense in Q3 2015, driven mainly by intra-US deals.

Largest deals have included:

- The acquisition of Williams Companies Inc. by Energy Transfer Equity LP (50 €bn)
- The acquisition of MarkWest Energy Partners LP by MPLX LP (18 €bn)
- The purchase of Cameron International Corporation by Schlumberger Limited (12 €bn)
- The acquisition of Energy Future Holdings Corporation by a consortium led by Hunt Consolidated, Inc. (11 €bn)
- The purchase of AGL Resources Inc. by Southern Company (10 €bn)

1. Prices and margins

Overview

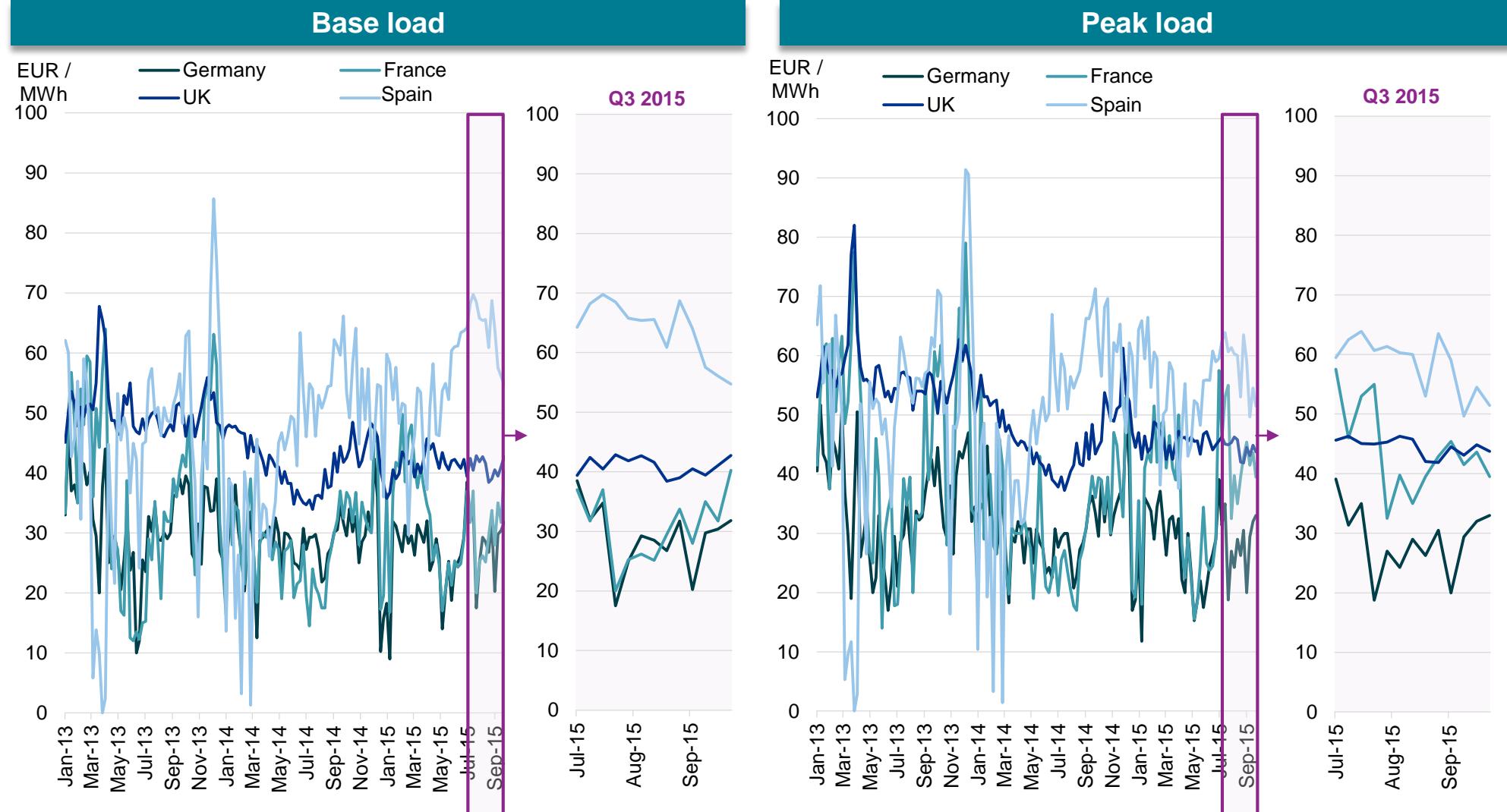
1

Prices and margins

- Starting Q3 2015 at 40€ /MWh, baseload power prices in France and Germany have shown significant volatility in the period, ending at 40€ /MWh and 32€ /MWh respectively.
- UK prices continued stable, at an average baseload of 41 €/MWh during Q3 2015, slightly below Q2 levels.
- In Spain prices have progressively fallen during Q3 2015, starting the period at 64 €/MWh and ending below 55€/MWh.
- Baseload/peakload differentials have remained very low across the period, including in France where they moved from to 19€/MWh at the end of June to close to zero
- Brent prices confirmed during Q3 2015 the downward trend started in June, reaching as low as 47 USD/bbl in August on average, the minimum value since 2009.
- Gas prices continued declining, with levels below 7 USD/MMBTU in Europe, 3 USD/MMBTU in the US and 40 GBP/MWh at NBP
- After several months of stabilization, Coal prices have dropped again during Q3 2015, reaching 50 USD/T (compared to 60 USD/T in Q2).
- Carbon prices ended Q2 2015 at 7,3€/T and kept growing during Q3, reaching 8€/T.
- Gas margins (spark spreads) remained negative in Germany, whereas in France some positive values were registered in September. Italy lived a short episode when spreads peaked at 80 EUR/MWh around July 22 but regained thin levels at the end of the quarter. In the UK margins remained slightly positive.
- Coal-fired margins (dark spreads) ended the quarter at around 10 €/MWh in Germany, 5 €/MWh in the UK, 20€/MWh in Italy and 20€/MWh in France.

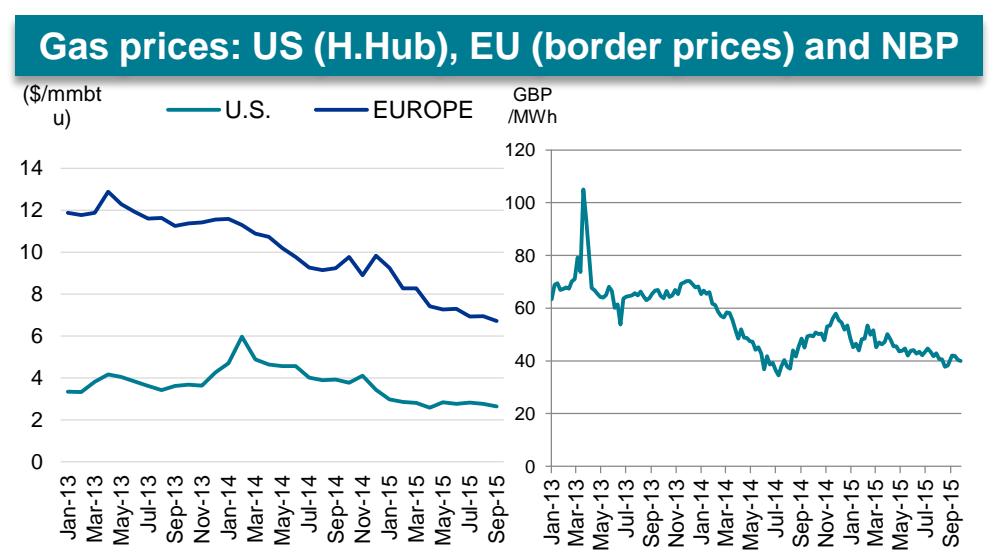
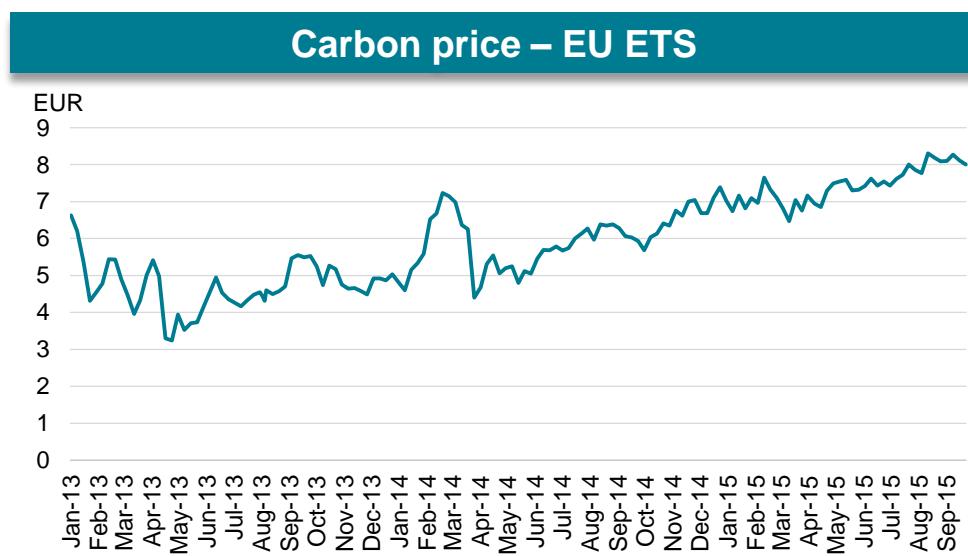
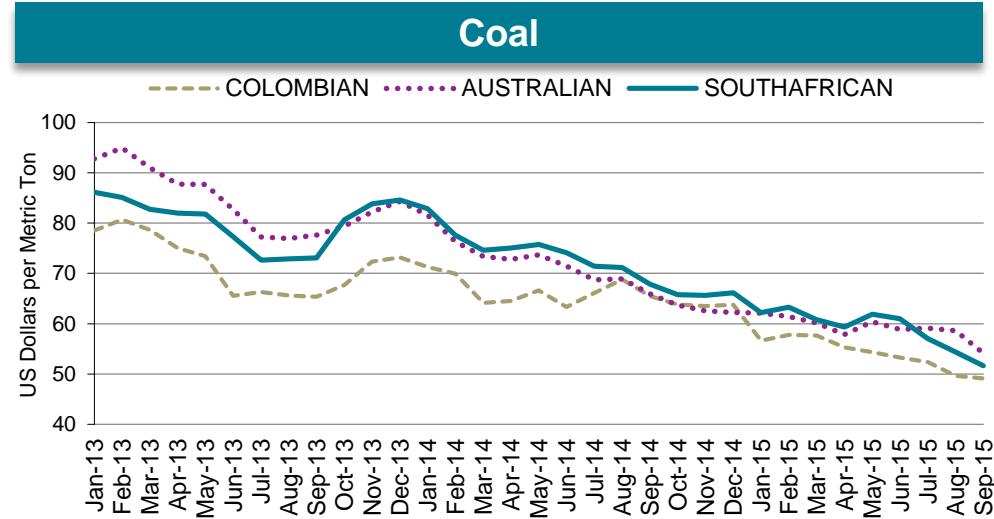
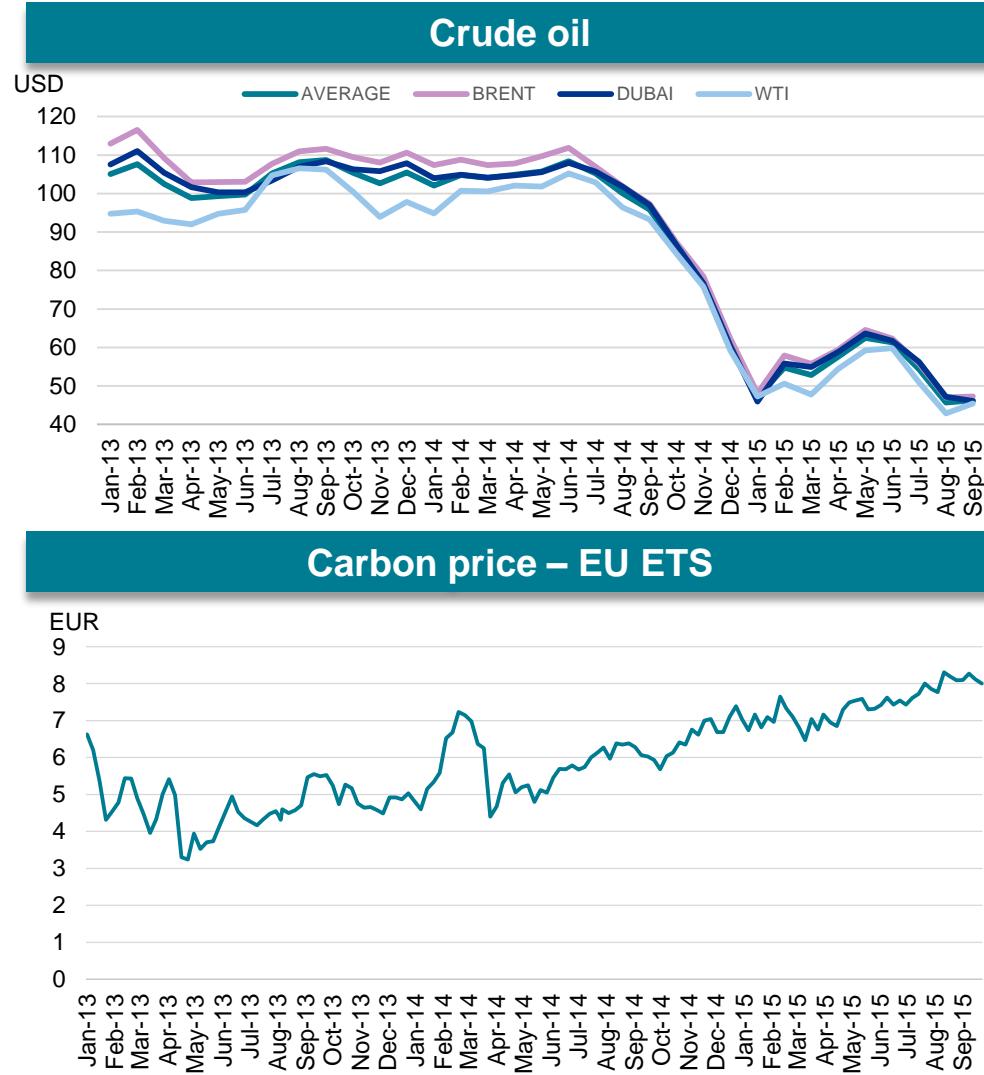
1. Prices and margins

Electricity price evolution



1. Prices and margins

Fuel price evolution

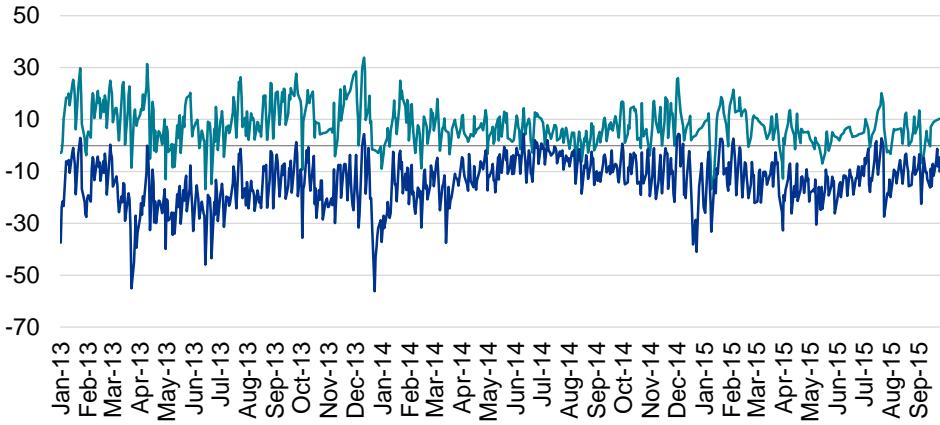


1. Prices and margins

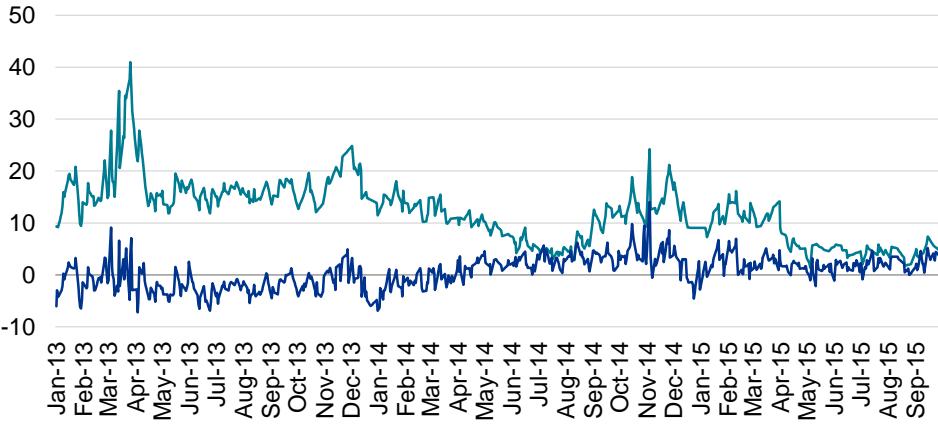
Clean dark and spark spreads

Clean dark spread Clean spark spread

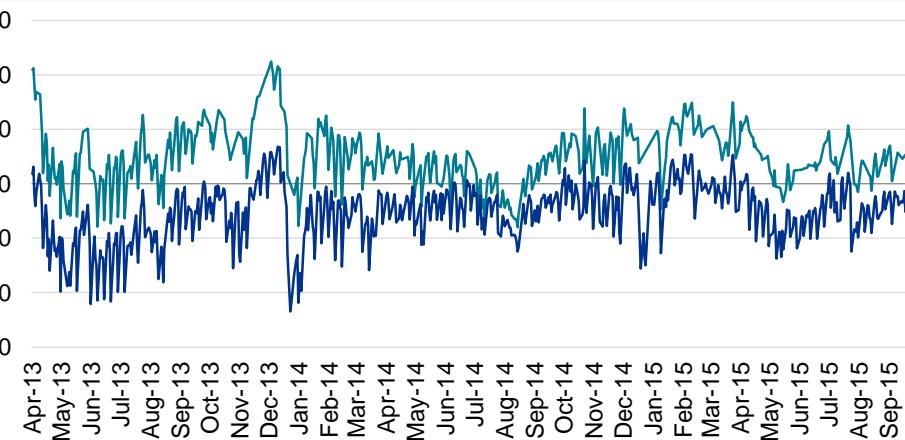
Germany



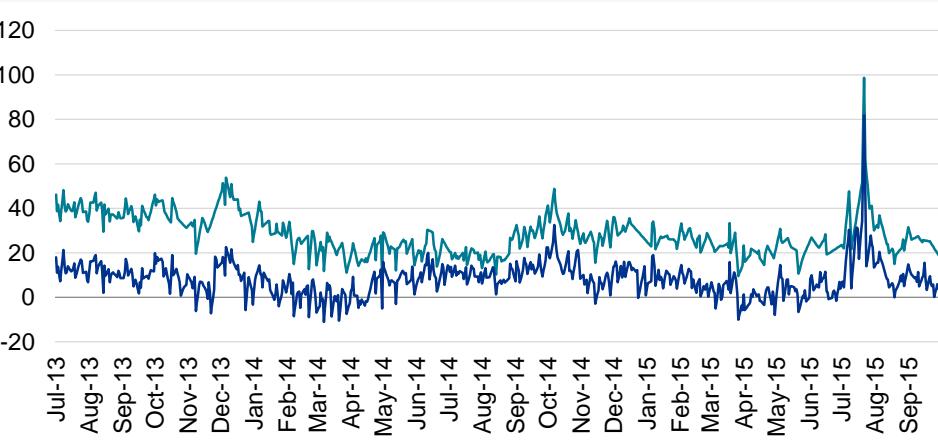
United Kingdom



France



Italy



2. Regulatory news

Overview

2

Regulatory news

- The European Commission has published the regulation 2015/1222 on capacity allocation and congestion management (CACM) being the first of Network Codes to be transposed to European regulation.
- The Ministry of Industry of Spain has published a Royal Decree on Self-Consumption (RD 900/2015) establishing the administrative, technical and economic conditions for the self-consumption of electricity.
- UK Government considers a full review of the small scale Feed in Tariffs regime, including: c90% cut in generation tariffs for some technologies.
- Netherlands' regulator (ACM) has approved new auction rules for cross-border electricity trade in order to ease the transactions from the country to the rest of the EU.
- France Regulator (CRE) has approved a contract type for the electricity sales in Day Ahead between RTE and the PV and Wind plants of EDF.
- E.ON has decided the premature shutdown of nuclear units Oskarshamn 1 and 2 in Sweden.
- Enel Green Power and F2i sign agreement for the creation of photovoltaic joint venture of €230 million value in Italy, which includes a portfolio of 210 MW.
- German CHP law has been reviewed and coal / lignite-fired plants will no longer receive funds.

2. Regulatory news

Regulatory news per region

EU



Spain



UK



- On 24th July, the European Commission (EC) published the Regulation (EU) 2015/1222 on capacity allocation and congestion management (CACM), being the first of Electricity Network Codes transposed into EC regulation.
- As part of its summer package, EC defined the main lines of its energy union strategy: energy efficiency label revision, consumer centric model, new market design.
- EC published a study on regulatory incentives for investments in electricity and gas infrastructure.
- EC published a roadmap for shale gas review laying down minimum principles for the exploration and production of hydrocarbons (such as shale gas) using high-volume hydraulic fracturing.

- The Ministry of Industry, Energy and Tourism established the last resource tariff for natural gas.
- Royal Decree on non mainland electricity generation (RD 738/2015) approved aimed at reducing the extra costs associated to these systems.
- Royal Decree on self-consumption (RD 900/2015) approved.
- Royal Decree on wholesale gas market (RD 984/2015) approved, establishing the bases of an organized gas market in the Iberian Peninsula.

- July budget highlighted overspend on the Levy Control Framework (the renewable subsidy budgets).
- Full review of the small scale Feed in Tariffs regime, including: c90% cut in generation tariffs for some technologies.
- Secretary of State for Energy and Climate Change made her first official speech setting the policy direction for the new Government

Netherlands



France



Nordics



Italy



Germany



- ACM approved new rules for cross border electricity trade.
- Netherland railways (NS) reached an agreement with the goal of a 100% renewable network by 2018.
- CRE approved a contract type for the electricity sales in Day Ahead between RTE and the PV and Wind plants of EDF.
- CRE published its periodic report on final electricity prices.
- CRE launched a RfP process for the Market operation of intraday markets of electricity in accordance with CACM regulation.

- Energy authorities published their report on electricity and natural gas markets in 2014
- Swedish Regulator (Ei) investigated the negative welfare effects of limitations in the links between Germany and the Nordics.

- Enel Green Power and F2i have created a photovoltaic joint venture of €230 million value, including a portfolio of 210 MW.
- E.ON sold hydroelectric plants for €950 M.
- AEEG published the DCO 9/DCCA/2015 with measures for renewal of social bonus.

- Gradual implementation of smart metering initiatives.
- CHP law reviewed, with funding focused now primarily in gas-fired plants, rather than coal / lignite plants, which will no longer receive funds.

2. Regulatory news

Links to new key regulation

Spain	News	Link
	<p>On 1st July a resolution from the General Directorate of Energy and Mining of the Ministry of Industry, Energy and Tourism was published establishing the last resource tariff of Natural Gas.</p>	Link I
	<p>On 7th July, Order IET 1344/2015 and IET/1345/2015 were published, establishing the remuneration scheme for the electricity generation by means of Renewable sources, Cogeneration and waste, and the methodology for its calculation respectively.</p>	Link II a Link II b
	<p>Council of Ministers approved on 17th July a new grant package of €78 million to promote the development of Smart Cities. This call is part of the Digital Agenda for Spain.</p>	Link III
	<p>Royal Decree on non mainland electricity generation (RD 738/2015) approved on 31st July. The text modifies the dispatching procedure in the Canary Islands, Balearic Islands, Ceuta and Melilla, increasing the competition and enables the introduction of new renewable capacity with the aim of reducing the extra costs associated to the mentioned systems.</p>	Link IV
	<p>On 28th September, Order IET1953/2015 was published, establishing the remuneration scheme and the administrative procedures for new Photovoltaic and Wind plants in the non mainland systems.</p>	Link V

2. Regulatory news

Links to new key regulation

Spain	News	Link
	Royal Decree on self-consumption (RD 900/2015 of 9 th October) approved, establishing the administrative, technical and economic conditions for the self-consumption of electricity.	Link VI
	Royal Decree on Wholesale Gas Market (RD 984/2015 of 30 th October) approved, establishing the bases of an organized gas market in the Iberian Peninsula, consistent with the Gas Target Model of the EU.	Link VII
	Order IET2209/2015 approving the energy planning document for the development of the transmission network during the period 2015-2020 was published on 23 rd October.	Link VIII
	CNMC published provisional settlements 8/2015 for electricity, renewable energies and gas sectors	Link IX a Link IX b Link IX c
	CNMC published the report on nominal installations, the investment and operation and maintenance reference values used in the calculation of the remuneration of electricity distribution activity.	Link X

2. Regulatory news

Links to new key regulation

UK

News

Link



The July budget highlighted overspend on the Levy Control Framework (the renewable subsidy budgets). The Government announced decisions regarding:

- A delay to the 2nd CfD auction round
- Early closure of the Renewables Obligation scheme for solar projects of <5MW
- The early closure of the Renewables Obligation scheme for onshore wind
- Changes to grandfathering and accreditation arrangements for biomass and solar
- The removal of the renewables exemption to the Climate Change levy

[Link I](#)

[Link II](#)

A full review of the small scale Feed in Tariffs regime, including: c90% cut in generation tariffs for some technologies, automatic degression and deployment caps

[Link IIIa](#)

[Link IIIb](#)

Amber Rudd, Secretary of State for Energy and Climate Change made her first official speech setting the policy direction for the new Government:

- An overall focus on **cost** and **security of supply**, backed by **market led** solutions
- A proposal to close all unabated **coal fired plants** by 2025, with usage restrictions from 2023
- A focus on **new gas generation**, with a consultation on the Capacity Market to see how construction can be incentivized
- Continued support for construction of a **fleet of nuclear** power stations

[Link IV](#)

2. Regulatory news

Links to new key regulation

UK

News

Link



(cont'd.):

- Support for up to 10 GW of **additional offshore wind** in the 2020s, dependent on industry meeting **cost reductions**, with the first auction to take place at end 2016
- A commitment to remove barriers to electricity suppliers choosing half –hourly settlement for household customers, to allow them to offer **Time of Use tariffs**
- A consultation will be launched in August exploring removing regulations that are holding back **Demand Side Response** and **storage**
- An investigation into how to reform the current **system operator model** to make it more flexible and independent
- A long term plan for **heating** will be set out next year, covering technologies such as district heating, biogas, hydrogen and heat pumps
- The tax and policy framework encouraging **energy efficiency** will be streamlined, with the aim of having 1 million more households receiving energy efficiency improvements by the end of parliament
- **R&D** will continue to be encouraged at university centres of excellence, with CCS and Small Modular Reactors mentioned as possible examples

[Link IV](#)

The government released a consultation of reforms to the capacity market to encourage capacity provision

[Link V](#)

2. Regulatory news

Links to new key regulation

Netherlands

News

Link



The Netherlands Authority for Consumers and Markets (ACM) reprimanded four energy providers about giving potential customers unclear and misleading information on prices and expected costs through their websites (August)

[Link I](#)

ACM has given Delta, a network operator, six months to change its name and logo or it will have to pay EUR 100,000 per week (with a maximum of EUR 2 million). (July)

[Link II](#)

Netherland railways (NS) reached an agreement with power company Eneco and energy procurement cooperative VIVENS in order to have half of the NS fleet of electric trains will run on green energy in 2015, rising to 70% the following year, 95% in 2017, with the goal of a 100% renewable network by 2018.

[Link III](#)

ACM approved new auction rules for cross-border electricity trade in order to ease the transactions from the Netherlands to the rest of the EU.

[Link IV](#)

ACM opened an invitation to companies to submit an application to become the National Electric Market Operator for Capacity Calculation.

[Link V](#)

2. Regulatory news

Links to new key regulation

France	News	Link
	CRE approved a contract type for the electricity sales in Day Ahead between RTE and the PV and Wind plants of EDF.	Link I
	CRE published its periodic report on final electricity prices.	Link II
	CRE published its analysis about the evolution of electricity prices for end-consumers and companies	Link III
	CRE published its report about the regulated electricity prices	Link IV
	CRE launched a RfP process for the Market operation of intraday markets of electricity in accordance with CACM regulation.	Link V

2. Regulatory news

Links to new key regulation

Nordics	News	Link
	Swedish government has unlocked new investments in renewable technologies	Link I
	Finish energy authority has opened an invitation for applications to be designated as a Nominated Electricity Market Operator (NEMO)	Link II
	Finish energy authority has published its report on electricity and natural gas markets in 2014	Link III
	NordREG published two reports mapping rules on information exchange, demand response and micro-production in the Nordic countries	Link IV
	Swedish Energy Markets Inspectorate (Ei) investigated the negative welfare effects of limitations in the links between Germany and the Nordics	Link V
	Swedish Energy Markets Inspectorate (Ei) published its report on electricity and natural gas markets in 2014	Link VI
	The Swedish Energy Markets Inspectorate (Ei) invites companies to submit applications to be designated as power exchanges in Sweden	Link VII
	E.ON has decided the premature shutdown of nuclear units Oskarshamn 1 and 2	Link VIII
	Norway remains at the lead of the Electric Vehicles market with a share of 33%	Link IX

2. Regulatory news

Links to new key regulation

Italy	News	Link
	Enel Green Power and F2i created a photovoltaic joint venture of €230 million value, including a portfolio of 210 MW.	Link I
	E.ON sold hydroelectric plants for €950 M.	Link II
	AEEG published the DCO 9/DCCA/2015 with measures for renewal of social bonus.	Link III
	AEEG published communication regarding the needs of having different brands for the distribution and electricity supplier	Link IV
	AEEG published communication regarding the value given to the transaction of high voltage networks from Terna S.p.A to Ferrovie dello Stato (Railway state company) in € 674 million.	Link V

2. Regulatory news

Links to new key regulation

Germany	News	Link
	<p>The smart meter roll-out should be done gradually: Larger consumers and generating plants takes over the leading role in the use smart meter, smaller electricity consumers will follow later.</p> <p>Furthermore there is a price cap for smart meter in order to realize a balanced cost-benefit ratio.</p> <p>In connection with the smart meters the requirements for the exchange of data and the obligations of the other parties involved in the data communication are harmonized.</p>	Link I
	<p>CHP plants that generate electricity and heat based on coal or lignite, will no longer be funded. New projects that replace a coal-fired CHP plant will receive a bonus. Further, existing gas-fired plants which are important for the public service will be subsidized in order to prevent the closure of these particularly efficient generation plants. The measure is limited to four years.</p> <p>Another goal of the revision of CHP law is to spread the cost burden fairly. In order to dampen the cost burden for households, privileged electricity customers are charged far more in future. In order strengthen the competitiveness of SMEs and electricity-intensive industry some exception remain.</p>	Link II

3. Capital Markets Overview

3

Capital markets

- Eurostoxx Utilities index declined 7,8% in Q3 2015, reaching price levels not seen since January 2014
- Endesa has been the only stock with a positive evolution on Q3 2015 in terms of share price, while Enel Green Power and Iberdrola have remained stable.
- Worst performers in the quarter included RWE, E.ON and Fortum.
- Valuation levels remain at 7,8 EV/EBITDA in Q3 2015, same value as in previous quarter.
- Wide differences persist in EBITDA multiples, with highest values among players focused on grid and renewables
- Net debt levels have increased from 3,20 in Q2 2015 to 3,32 x EBITDA in Q3 2015
- Credit ratings have experienced a slight downward trend across the industry during the quarter

3. Capital Markets

Share price evolution: overview

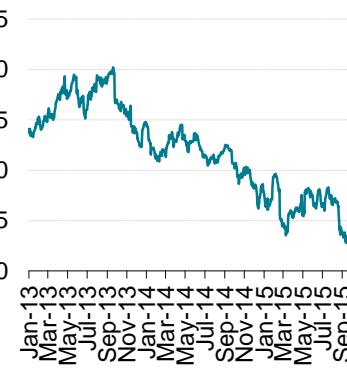
Company	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015	Q2 2015	Q3 2015	Last Quarter Q3 2015/ Q2 2015	Last Year Q3 2015/ Q3 2014
Endesa SA	17,41	17,03	17,75	21,17	23,29	27,61	28,51	19,76	17,29	17,56	18,57	5,75%	-34,86%
Enel Green Power SpA	1,47	1,6	1,64	1,75	1,96	2,07	2,05	1,85	1,78	1,76	1,76	0%	-14,15%
Iberdrola SA	3,92	4,07	4,12	4,56	4,72	5,2	5,51	5,59	5,91	6,14	6,13	-0,16%	11,25%
Snam SpA	3,61	3,65	3,57	3,82	4,09	4,32	4,38	4,12	4,32	4,56	4,45	-2,41%	1,60%
EDP Renováveis	4,04	3,89	3,85	3,93	4,47	5,02	5,35	5,26	5,95	6,48	6,3	-2,78%	17,76%
National Grid plc (*GBP)	7,12	7,89	7,53	7,68	8,08	8,45	8,75	9,09	8,99	8,84	8,54	-3,39%	-2,40%
Enel SpA	2,94	2,77	2,59	3,18	3,62	4,15	4,12	3,8	3,96	4,28	4,12	-3,74%	0%
REE	41,14	40,35	41,31	45,78	54,66	61,55	63,83	69,69	74,06	75,75	72,12	-4,79%	12,99%
Centrica plc (*GBP)	3,48	3,75	3,85	3,49	3,23	3,29	3,15	2,9	2,65	2,69	2,54	-5,58%	-19,37%
Enagás SA	17,86	19,3	18,1	19,06	20,77	22,05	24,7	25,94	26,78	26,66	25,16	-5,63%	1,86%
SSE Plc (*GBP)	14,4	15,46	15,7	13,91	13,88	15,34	15,06	15,79	15,5	16	15,08	-5,75%	0,13%
EDP	2,36	2,5	2,62	2,67	2,99	3,48	3,46	3,29	3,39	3,54	3,3	-6,78%	-4,62%
ENGIE SA (GDF SUEZ S.A.)	15	15,86	16,69	17,85	17,8	19,93	19,37	18,95	18,9	18,25	16,36	-10,36%	-15,54%
CEZ as* (*CZK)	618,45	549,76	469,76	526,93	528,02	585,88	607,16	606,78	600,33	624,53	557,01	-10,81%	-8,26%
EDF	14,51	17,19	21,08	25,7	26,96	27,28	24,23	22,06	23,12	22,11	19,52	-11,71%	-19,44%
Gas Natural SDG SA	14,72	15,61	15,07	17,58	18,87	21,18	22,92	22,06	20,7	21,84	19,11	-12,50%	-16,62%
Fortum Oyj	14,59	14,67	15,27	16,57	16,68	17,46	19,27	18,57	19,4	17,61	15,24	-13,46%	-20,91%
E.ON SE	13,36	13,3	12,57	13,6	13,62	14	14,25	13,77	13,61	13,58	10,6	-21,94%	-25,61%
RWE AG	28,76	27,21	22,7	26,91	27,87	28,8	30,53	27,62	23,97	22,1	15,78	-28,60%	-48,31%
Eurostoxx Utilities	222,87	226,15	224,04	249,48	262,29	284,87	288,6	280,3	292,9	291,9	269,10	-7,81%	-6,76%

3. Capital Markets

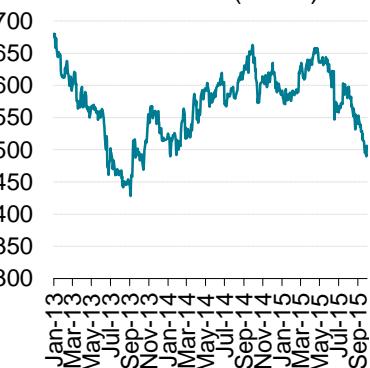
Share price evolution: individual stocks (1)

Share price evolution: individual stocks

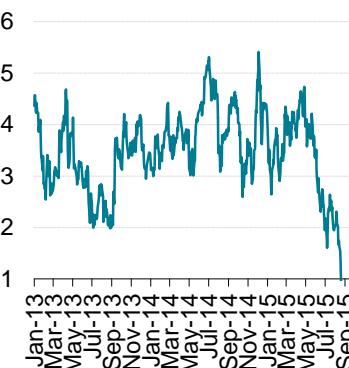
Centrica Plc (*GBP)



CEZ a.s. (*CZK)



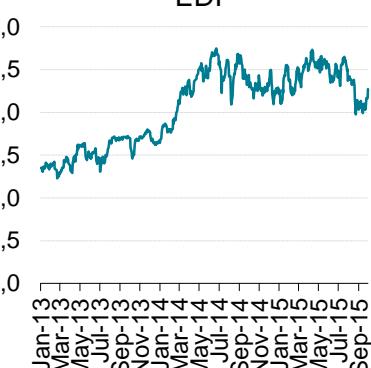
E.ON



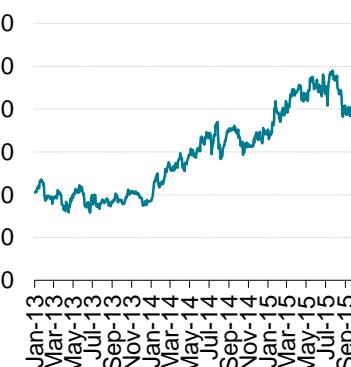
EDF



EDP



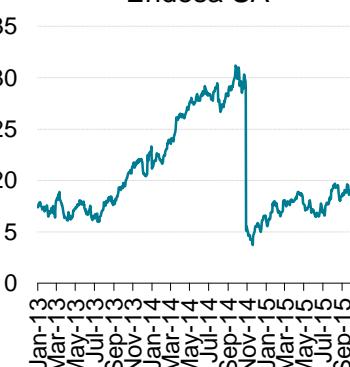
EDP Renováveis



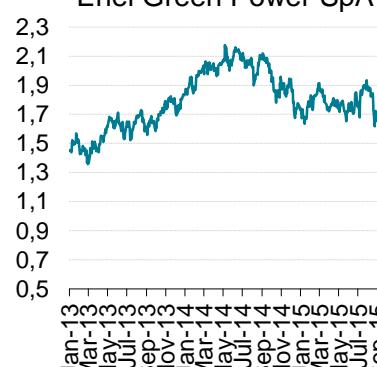
Enagás SA



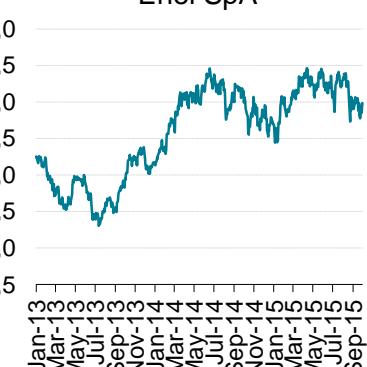
Endesa SA



Enel Green Power SpA



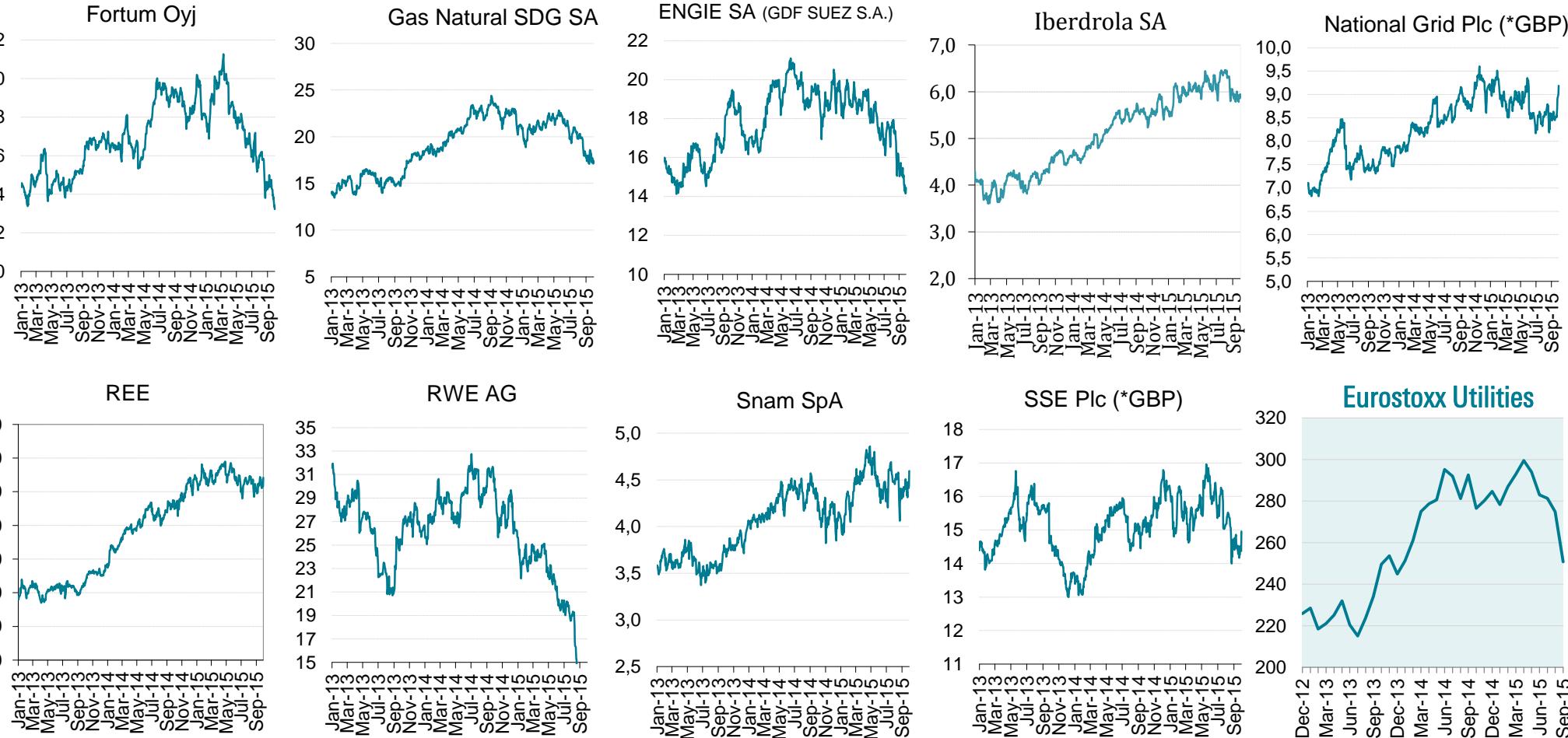
Enel SpA



3. Capital Markets

Share price evolution: individual stocks (2)

Share price evolution: individual stocks



3. Capital Markets

Relative valuation per company

	TEV (as of September 30) / EBITDA (LTM)	TEV (EUR mill.) (as of September 30)	Market Capitalization (EUR mill.) (as of September 30)
Enagás, S.A.	12	10.070	6.116
National Grid plc	11,6	81.220	46.532
EDP-Energias de Portugal, S.A.	11,1	34.064	11.889
Enel Green Power S.p.A.	10,7	17.465	8.455
Snam S.p.A.	10,7	30.235	16.077
Red Eléctrica Corporación S A.	10,6	15.154	9.999
EDP Renováveis	10,3	9.831	5.116
Gas Natural SDG SA	9,1	37.788	17.442
Iberdrola, S.A.	8,8	62.719	37.282
SSE plc	8,6	27.126	20.313
Endesa SA	7,4	24.236	19.947
Enel SpA	6,7	97.811	37.501
Centrica plc	6,4	23.666	15.648
ENGIE SA (GDF SUEZ S.A.)	6,1	69.267	34.518
CEZ, a.s.	6	14.411	9.967
Fortum Oyj	5,3	9.998	11.753
Electricite de France SA	4,6	81.860	29.297
E.ON SE	3,8	29.297	14.994
RWE AG	3,5	16.329	6.134
Weighted average: 7,8		692.545	358.980

3. Capital Markets

Leverage and credit ratings

	LTM Net Debt/ EBITDA	Rating S&P	S&P Financial Update	Rating Moody's	Date	Rating Fitch	Date
EDP-Energias de Portugal, S.A.	5,99	BB+	15-agosto-15	Baa3	13-febrero-15	BBB-	6-noviembre-14
Snam S.p.A.*	5,09	BBB	10-agosto-15	Baa1	19-febrero-14	BBB+	23-julio-2015
National Grid plc.	4,98	A-	06-junio-15	Baa1	18-diciembre-14	BBB+	17-junio-2015
Enagás, S.A.	4,83	BBB+	24-julio-15	Baa2	28-febrero-14	A-	13-noviembre-2014
EDP Renováveis S.A.	4,8	-	2-agosto-15	-	-	-	-
Enel Green Power S.p.A.	4,43	-	9-agosto-15	A3	6-octubre-11	-	-
Red Eléctrica Corporación S A.	3,59	BBB+	1-agosto-15	-	-	A-	1-abril-2015
Gas Natural SDG SA	3,58	BBB	6-agosto-15	Baa2	21-octubre-14	BBB+	7-agosto-2015
Iberdrola, S.A.	3,56	BBB	28-julio-15	Baa1	8-abril-15	BBB+	10-julio-2015
Enel SpA	2,71	BBB	14-agosto-15	Baa2	27-marzo-15	BBB+	26-mayo-2015
Electricité de France SA	2,66	A+	4-agosto-15	A1	16-abril-15	A	21-septiembre-2015
ENGIE SA (GDF SUEZ S.A.)	2,59	A	30-julio-15	A1	11-junio-15	-	-
SSE plc.	2,32	A-	24-junio-15	A3	31-mayo-14	BBB+	31-julio-2015
Centrica plc.	2,17	BBB+	31-julio-15	Baa1	20-marzo-15	A-	29-abril-2015
RWE AG	1,94	BBB	14-agosto-15	Baa1	23-diciembre-13	BBB+	2-julio-2015
CEZ, a.s.	1,71	A-	12-agosto-15	A3	25-junio-15	A-	3-julio-2015
E.ON SE	1,53	BBB+	13-agosto-15	Baa1	27-marzo-15	BBB+	2-septiembre-2015
Endesa SA	1,3	BBB	29-julio-15	Baa2	14-octubre-14	BBB+	26-mayo-2015
Fortum Oyj	1,04	BBB+	20-julio-15	A2	16-noviembre-12	A-	18-noviembre-2014
Average	3,32						

4. M&A Overview

4

M&A

- M&A activity in the Energy sector remained intense in Q3 2015, driven mainly by intra-US deals around gas –focused players and service companies.
- Largest deals have included:
 - The acquisition of Williams Companies Inc. by Energy Transfer Equity LP (50 €bn)
 - The acquisition of MarkWest Energy Partners LP by MPLX LP (18 €bn)
 - The purchase of Cameron International Corporation by Schlumberger Limited (12 €bn)
 - The acquisition of Energy Future Holdings Corporation by a consortium led by Hunt Consolidated, Inc. (11 €bn)
 - The purchase of AGL Resources Inc. by Southern Company (10 €bn)

4. M&A

Top-10 M&A operations in Q2 2015 by deal value (1)

Announced Date	Target Company	Target Description	Target Country	Bidder Company	Bidder Country	Seller Company	Deal Value EUR(m)
09/28/2015	Williams Companies, Inc.	US-based energy infrastructure company	USA	Energy Transfer Equity LP	USA		49940
07/13/2015	MarkWest Energy Partners, L.P.	US-based company engaged in the gathering, processing and transportation of natural gas	USA	MPLX LP	USA		17550
08/26/2015	Cameron International Corporation	US-based provider of flow equipment products, systems and services to global oil, gas and process industries	USA	Schlumberger Limited	France, Netherlands, USA		11953
08/10/2015	Energy Future Holdings Corporation	US-based energy services group	USA	A consortium led by Hunt Consolidated, Inc.	USA		11392
08/24/2015	AGL Resources Inc.	US-based energy services company	USA	Southern Company	USA		10486

4. M&A

Top-10 M&A operations in Q2 2015 by deal value (2)

Announced Date	Target Company	Target Description	Target Country	Bidder Company	Bidder Country	Seller Company	Deal Value EUR(m)
09/04/2015	TECO Energy Inc.	US-based energy holding company for regulated utilities and other businesses	USA	Emera Inc.	Canada		9263
07/28/2015	Elster Group SE	Germany based manufacturer and supplier of integrated metering and utilisation solutions to the gas, electricity and water industries	Germany	Honeywell International Inc.	USA	Melrose Plc	4641
09/08/2015	Power Assets Holdings Limited (61.13% Stake)	Hong Kong-based company engaged in the generation and distribution of electricity	Hong Kong	Cheung Kong Infrastructure Holdings Limited	Hong Kong		4474
07/14/2015	RKI Exploration & Production, LLC	US-based company engaged in the exploration and production of oil and natural gas	USA	WPX Energy, Inc.	USA		2482
07/06/2015	Invenergy Wind LLC	US-based 930 megawatt wind power plants of Invenergy (930 MW of wind power plants) Wind LLC	Canada,USA	TerraForm Power, Inc.	USA	Invenergy Wind LLC	2206

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