

E.ON Facts & Figures

March 2014



Content

E.ON Group	3
Generation	12
Renewables	31
Exploration & Production	53
Global Commodities	60
Germany	69
Other EU countries	78
Russia	146
ENEVA	150
Enerjisa	154





E.ON Group

e.on

E.ON in numbers

29 billion KWh

electricity produced from renewable technologies¹, equivalent to demand of 3m homes

17m

grid customers in Europe

€26bn

regulated asset base in Europe

14 GW

generation capacity outside of Europe³

Global #3 in offshore wind²

40GW

conventional generation capacity in Europe

783,000km

power network length in Europe

sales customers⁴

35m



¹ Including electricity generation from hydro, wind, biomass and solar PV ² Based on 2012 market data

³ Including Russia, US Renewables, JV Enerjisa, ENEVA ⁴ Including 9m customers from JV Enerjisa in Turkey

E.ON's EU business activities







Central & Northern Europe

Southern Europe





E.ON's non-EU business activities





E.ON's Group structure





E.ON's Board of Management



Johannes Teyssen

appointed in 2004

Corporate Executive HR Investor Relation Communication Audit Strategy Corporate Development



Leonhard Birnbaum

appointed in 2013

Trading & Supply Distributed Energy Engineering & Projects Commercial Operations Politics & Regulation Technology & Innovation Consulting



Jørgen Kildahl

appointed in 2010

Brazil, Russia & Turkey E&P Health Safety & Environment Corporate Incident & Crisis Management Procurement & Real Estate Management Sustainability



Bernhard Reutersberg

appointed in 2010

Regional Coordination Sales & Distribution Group-wide E.ON 2.0 program



Klaus Schäfer

appointed in 2013

Finance Mergers & Acquisitions

Group Accounting & Controlling

Legal & Compliance

Tax IT & Business Services



Mike Winkel

appointed in 2013

Generation

Renewables

Group HR Operational Efficiency

eon

Major investment projects (I)







Renewables – Provence 4 Biomass Conversion Country: Capex: € 0.2 bn Capacity: 170 MW



Major investment projects (II)





E.ON Russia - Berezovskaya







Major investment projects (III)



- Generation - Ratcliffe

			Cou Cap	d Coal ntry: ex: lerniza	€ 1.0 bn	
2013	2014	2015	2016	2017		





E.ON Generation

Nuclear – Steam – CCGT



Generation – Business snapshot

- The Generation Unit consists of 3 fleets grouping all conventional European plants with similar technology
 - Nuclear
 - Steam: coal, fuel oil or gas
 - CCGT: gas or oil
- Currently operates about 370 power plant units throughout Europe at around 300 locations



- 2010-2013 EBITDA & EBIT





Generation

Nuclear – Location of generation assets

- Production capacity accounted (MW)¹

	2013	%	2012	%
Germany	5,746	70	5,746	70
Sweden	2,511	30	2,511	30
Total	8,257	100	8,257	100

— Production capacity pro rata (MW) ¹ —										
	2013	%	2012	%						
Germany	5,403	66	5,403	66						
Sweden	2,799	34	2,775	34						
Total	8,202	100	8,178	100						

- Production output accounted (TWh)¹ –

	2013	%	2012	%
Germany	44.4	79	44.9	78
Sweden	11.7	21	12.5	22
Total	56.1	100	57.4	100





Nuclear - Power stations

– Germany¹ –

				E.ON share	E.ON share						
		Shareholders	Consolidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date	Shutdown date		
1	Brokdorf	E.ON/VE	2	1,410	80.0	1,128	1,410	1986	2021		
2	Emsland	E.ON/RWE	3	1,329	12.5	166	0	1988	2022		
3	Grafenrheinfeld	E.ON	2	1,275	100.0	1,275	1,275	1982	2015		
4	Grohnde	E.ON/Stw. Bielefeld	2	1,360	83.3	1,133	1,360	1985	2021		
5	Gundremmingen B	E.ON/RWE	1	1,284	25.0	321	321	1984	2017		
5	Gundremmingen C	E.ON/RWE	1	1,288	25.0	322	322	1984	2021		
6	Isar 2	E.ON/SWM	1	1,410	75.0	1,058	1,058	1988	2022		
	Total			9,356		5,403	5,746				

- Sweden¹ —

- Sweden [,] —					E.ON sha	re	
	Shareholders	Consolidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
I Forsmark 1	MKG/Vattenfall	3	984	9.3	92	0	1980
I Forsmark 2	MKG/Vattenfall	3	1,120	9.3	104	0	1981
I Forsmark 3	MKG/Vattenfall	3	1,170	10.8	126	0	1985
2 Oskarshamn 1	E.ON Sverige/Fortum	2	473	54.5	258	473	1972
2 Oskarshamn 2	E.ON Sverige/Fortum	2	638	54.5	348	638	1975
2 Oskarshamn 3	E.ON Sverige/Fortum	2	1,400	54.5	763	1,400	1985
3 Ringhals 1	E.ON Sverige/Vattenfall	3	878	29.6	260	0	1976
3 Ringhals 2	E.ON Sverige/Vattenfall	3	865	29.6	256	0	1975
3 Ringhals 3	E.ON Sverige/Vattenfall	3	1,063	29.6	315	0	1981
3 Ringhals 4	E.ON Sverige/Vattenfall	3	940	29.6	278	0	1983
Total	2		9,531		2,799	2,511	



Nuclear – Long term contracts

– Long term contracts - Delivered –

				E.ON	share		
	Shareholder	Consolidation ¹	Capacity (net MW)	%	Pro rata (MW)	Delivered (MW)	Partner
Gundremmigen B	RWE/ E.ON	1	1,284	25.0	321	171	EnBW
Gundremmigen C	RWE/ E.ON	1	1,288	25.0	322	172	EnBW
Grohnde	E.ON/ SW Bielefeld	2	1,360	83.3	1,133	359	EnBW
Gundremmigen B	RWE/ E.ON	1	1,284	25.0	321	150	Electrabel
Gundremmigen C	RWE/ E.ON	1	1,288	25.0	322	150	Electrabel
Grohnde	E.ON/ SW Bielefeld	2	1,360	83.3	1,133	290	Electrabel
Total						1,292	

- Long term contracts - Received –

- Long term	i contracts - Re	cerveu —	E.ON share				
s	Shareholder	Consolidation ¹	Capacity (net MW)	%	Pro rata (MW)	Received (MW)	Partner
Cattenom 1 E	EDF	3	1,300	-	-	65	EnBW
Cattenom 2 E	EDF	3	1,300	-	-	65	EnBW
Fessenheim 1 E	EDF	3	880	-	-	154	EnBW
Fessenheim 2 E	EDF	3	880	-	-	154	EnBW
400 MW fix E	EDF	3	-	-	-	264	EnBW
Doel 1 BE E	Electrabel	3	400	-	-	166	Electrabel
Doel 1 NL E	Electrabel	3	433	-	-	89	Electrabel
Doel 2 BE E	Electrabel	3	400	-	-	166	Electrabel
Doel 2 NL E	Electrabel	3	433	-	-	89	Electrabel
Tihange 1 BE E	Electrabel/ EDF Belgium	3	000	-	-	184	Electrabel
Tihange 1 NL E	Electrabel	3	962	-	-	99	Electrabel
Total						1,495	



Generation

Steam - Location of generation assets

Production capacity accounted (MW)¹ 1

	2013	%	2012	%
Germany	9,008	49	9,741	47
UK	2,069	11	3,005	15
Sweden	1,004	6	1,004	5
France	2,708	15	3,178	15
NL/Belgium	1,666	9	1,626	8
Italy	904	5	904	4
Spain	869	5	1,214	5
Total	18,228	100	20,530	100

Production capacity pro rata (MW)¹ –

			•	· ·
	2013	%	2012	%
Germany	8,629	49	9,656	47
UK	2,069	12	3,005	15
Sweden	703	4	703	3
France	2,708	15	3,178	16
NL/Belgium	1,666	9	1,626	8
Italy	904	5	982	5
Spain	869	5	1,214	6
Total	17,547	100	20,364	100

- Production output accounted (TWh)¹ –

	2013	%	2012	%
Germany	32.0	46	32.1	42
UK	12.3	18	18.3	24
Sweden	<0.1	<0.1	<0.1	<0.1
France	8.1	12	7.4	10
NL/Belgium	10.0	14	9.7	13
Italy	4.1	6	4.3	6
Spain	3.5	5	5.4	7
Total	70.0	100	77.3	100







Steam - Power stations (1)

-0	Germany ¹ ———								
	· · · · · · · · · · · · · · · · · · ·			3			E.ON sha		
		Shareholders	Consoli- dation ²	Fuel Type ³	Capacity	%	Pro rata	Accounting	Start-up
					(net MW)		(MW)	(MW)	date
1	Datteln 1	E.ON	2	HC	95	100.0	95	95	1964
1	Datteln 2	E.ON	2	HC	95	100.0	95	95	1964
1	Datteln 3	E.ON	2	HC	113	100.0	113	113	1969
1	Knepper C	E.ON	2	HC	345	100.0	345	345	1971
2	GKW Weser/Veltheim 3	E.ON/Stw. Bielefeld	2	HC	303	66.6	202	303	1970
2	GKW/Veltheim 4 GT	E.ON	2	G	65	66.6	43	65	1975
2	Heyden	E.ON	2	HC	875	100.0	875	875	1987
3	Kiel	E.ON/Stw. Kiel	3	HC	323	50.0	162	0	1970
3	Kiel/Audorf	E.ON	2	0	87	100.0	87	87	1973
3	Kiel/Itzehoe	E.ON	2	0	88	100.0	88	88	1972
4	Scholven B	E.ON	2	HC	345	100.0	345	345	1968
4	Scholven C	E.ON	2	HC	345	100.0	345	345	1969
4	Scholven D	E.ON	2	HC	345	100.0	345	345	1970
4	Scholven E	E.ON	2	HC	345	100.0	345	345	1971
4	Scholven F	E.ON	2	HC	676	100.0	676	676	1979
4	Scholven FWK	E.ON	2	HC	70	100.0	70	70	1985
5	Staudinger 4	E.ON	2	G	622	100.0	622	622	1977
5	Staudinger 5	E.ON	2	HC	510	100.0	510	510	1992
6	Wilhelmshaven	E.ON	2	HC	757	100.0	757	757	1976
6	Wilhelmshaven GT	E.ON	2	0	56	100.0	56	56	1973
7	Ingolstadt 3	E.ON	2	0	386	100.0	386	386	1973
7	Ingolstadt 4	E.ON	2	0	386	100.0	386	386	1974
8	Franken I/1	E.ON	2	G	383	100.0	383	383	1973
8	Franken I/2	E.ON	2	G	440	100.0	440	440	1976
9	Huntorf	E.ON	2	G	321	100.0	321	321	1978
10	GT Ummeln	E.ON	2	G	55	66.6	37	55	1974
11	Schkopau A + B	E.ON/Saale Energie	2	Ĺ	900	55.6	500	900	1996
	Total		_	_	9,331		8,629	9,008	



Steam - Power stations (2)

						E.ON shar	е	
	Shareholders	Consoli- dation ²	Fuel Type ³	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
Ratcliffe U1	E.ON	2	HC	500	100.0	500	500	1968
Ratcliffe U2	E.ON	2	HC	490	100.0	490	490	1969
Ratcliffe U3	E.ON	2	HC	500	100.0	500	500	1969
Ratcliffe U4	E.ON	2	HC	490	100.0	490	490	1970
Ratcliffe Aux GT2	E.ON	2	0	17	100.0	17	17	1967
Ratcliffe Aux GT4	E.ON	2	0	17	100.0	17	17	1968
2 Grain Aux GT1	E.ON	2	0	28	100.0	28	28	1979
2 Grain Aux GT4	E.ON	2	0	27	100.0	27	27	1980
Total				2,069		2,069	2,069	

- Sweden¹ -

							E.ON sha	re	
		Shareholders	Consoli- dation ²	Fuel Type ³	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1	Karlshamn G1	E.ON Sverige/Fortum	2	0	336	70.0	235	336	1969
1	Karlshamn G2	E.ON Sverige/Fortum	2	0	336	70.0	235	336	1971
1	Karlshamn G3	E.ON Sverige/Fortum	2	0	332	70.0	232	332	1973
	Total	-			1,004		702	1,004	



Steam - Power stations (3)

- '	-rance ¹ ——						E.ON share		
		Shareholders	Consolidation ²	Fuel Type ³	Capacity (net MW)	% Pro	rata (MW) Acco	untin (MW)	Start-up date
1	Emile Huchet 4	E.ON	2	HC	115	100.0	115	115	1976
1	Emile Huchet 5	E.ON	2	HC + CCGT	330	100.0	330	330	1972
1	Emile Huchet 6	E.ON	2	HC	595	100.0	595	595	1981
1	Emilie Huchet 7	E.ON	2	CCGT	414	100.0	414	414	2010
1	Emilie Huchet 8	E.ON	2	CCGT	414	100.0	414	414	2010
2	Lucy 3	E.ON	2	HC	245	100.0	245	245	1971
3	Provence 5	E.ON	2	HC	595	100.0	595	595	1984
	Total				2,708		2,708	2,708	

– Netherlands¹ –

		Shareholders	Consoli- dation ²	Fuel Type ³	Capacity (net MW)	%	E.ON share Pro rata (MW)	e Accounting (MW)	Start-up date	
1	Maasvlakte 14	E.ON	2	HC	555	100.0	555	555	1988	
1	Maasvlakte 24	E.ON	2	HC	555	100.0	555	555	1987	
	Total				1,070		1,110	1,110		

Belgium^{1,4} -

						E.ON shar	e	
		Shareholders	Consoli- Fuel Type ³ dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1	Langerlo 1	E.ON	2 HC + CCGT	278	100.0	278	278	1975
1	Langerlo 2	E.ON	2 HC + CCGT	278	100.0	278	278	1975
	Total			556		556	556	

1. As of December 31, 2013.

2. Consolidation: 1 E.ON share; pro rata consolidation - 2 E.ON share; full consolidation - 3 E.ON share; not consolidated.

3. HC: Hard coal · L: Lignite · O: Oil - CCGT: Gas.

4. Power station operated by E.ON Benelux under long-term cross-border leasing arrangement.

Steam - Power stations (4)

_						E.ON sha	re	
	Shareholders	Consoli- dation ²	Fuel Type ³	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Fiume Santo 1-4	E.ON	2	HC + O	904	100.0	904	904	1983
Total				904		904	904	
– Spain ¹ ––––––								
– Spain ¹ –––––			2			E.ON sha	re	
– Spain ¹ ––––––––––––––––––––––––––––––––––––	Shareholders	Consoli- dation ²	Fuel Type ³	Capacity (net MW)	%	E.ON sha Pro rata (MW)	e Accounting (MW)	Start-up date
- Spain ¹	Shareholders E.ON	Consoli- dation ² 2	Fuel Type ³ HC		% 100.0	Pro rata	Accounting	•
-		dation ²		(net MW)		Pro rata (MW)	Accounting (MW)	date



Steam – Long term contracts

	n contracts - Deli			E.ON :	share		
	Shareholder	Consolidation ¹	Capacity (net MW)	%	Pro rata (MW)	Delivered (MW)	Partner
Veltheim 3	E.ON/ SW Bielefeld	2	303	66,7	202	202	Morgan Stanley
Buschhaus ² Total	E.ON	2	352	100	352	159 361	EnBW



Steam – Change of portfolio

– Change of portfolio¹ –

			Status YE	2012			<u>Status Y</u>	<u>Έ 2013</u>
	Shareholder	Interest %	Pro rata (MW)	Accounting (MW)	Type of movement	Change in interest %	Pro rata (MW)	Accounting (MW)
Buschhaus	E.ON	100%	352	352	Sale	-100%	0	0
Shamrock	E.ON	100%	132	132	Closure	n.a.	0	0
Staudinger 1	E.ON	100%	249	249	Closure	n.a.	0	0
Total Germany			733	733			0	0
Ironbridge 1-2	E.ON	100%	910	910	Modification to Biomass	n.a.	0	0
Hornaing 3	E.ON	100%	235	235	Mothballing	n.a.	0	0
Provence 4	E.ON	100%	230	230	Modification to Biomass	n.a.	0	0
Maasvlakte 1-2	E.ON	100%	1,070	1,070	Upgrade	n.a.	1,110	1,110
Puertollano	E.ON	100%	203	203	Closure	n.a.	0	0
Total Other EU countries			2,648	2,648			1,110	1,110



Steam – Mothballed assets

— Mothballed Steam power plants —

:	Ob a walk a lata wa				E.ON share	
	Shareholders	Fleet	Country	%	Pro rata (MW)	Accounting (MW)
Veltheim 4 ST	E.ON/ SW Bielefeld	Steam	Germany	66,7	223	335
Total					223	335



Generation

CCGT - Location of generation assets

— Production capacity accounted (MW)¹ 1

		-	-	-
	2013	%	2012	%
Germany	1,989	15	1,989	13
UK	4,575	33	4,575	31
Sweden	1,014	7	1,014	7
Italy	3,303	24	4,041	27
Spain	2,011	15	2,011	14
Netherlands	385	3	385	3
Hungary	428	3	428	3
Slovakia	-	-	418	3
Total	13,704	100	14,861	100

- Productio	on capacit	t y pro i	rata (MW)	1
	2013	%	2012	%
Germany	1,568	12	1,568	11
UK	4,575	34	4,575	32
Sweden	983	7	983	7
Italy	3,591	27	3,840	27
Spain	2,011	15	2,011	14
Netherlands	385	3	385	3
Hungary	428	3	428	3
Slovakia	-	-	418	3
Total	13,541	100	14,208	97

Production output accounted (TWh)¹ –

	2013	%	2012	%
Germany	1.4	7	4.2	16
UK	9.1	45	9.0	35
Sweden	0.9	4	0.8	3
Italy	8.4	42	7.3	29
Spain	<0.1	<0.1	1.5	6
NL	0.1	1	1.5	6
Hungary	0.3	1	1.3	5
Slovakia	0.1	<1	<0.1	<0.1
Total	20.3	100	25.6	100

1. As of December 31, 2013.





CCGT - Power stations (1)

					E.ON sha	re	
	Shareholders	Conso- lidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Irsching 3	E.ON	2	415	100.0	415	415	1974
1 Irsching 4	E.ON	2	550	100.0	550	550	2011
1 Irsching 5	E.ON/other	2	846	50.0	425	846	2010
2 Kirchmöser	E.ON	2	178	100.0	178	178	1994
Total			1,989		1,568	1,989	

- UK¹

						E.ON share	9	
		Shareholders	Conso- lidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
C	Cottam Development							
1 C	Centre	E.ON	2	390	100.0	390	390	1999
2 C	Connahs Quay U1	E.ON	2	345	100.0	345	345	1996
2 C	Connahs Quay U2	E.ON	2	345	100.0	345	345	1996
2 C	Connahs Quay U3	E.ON	2	345	100.0	345	345	1996
2 C	Connahs Quay U4	E.ON	2	345	100.0	345	345	1996
3 E	Enfield	E.ON	2	408	100.0	408	408	2002
3 Т	Faylors Lane GT2	E.ON	2	68	100.0	68	68	1981
3 T	Taylors Lane GT3	E.ON	2	64	100.0	64	64	1979
4 K	Killingholme Mod 1	E.ON	2	450	100.0	450	450	1992
4 K	Killingholme Mod 2	E.ON	2	450	100.0	450	450	1993
	Grain 6	E.ON	2	455	100.0	455	455	2011
5 G	Grain 7	E.ON	2	455	100.0	455	455	2011
5 G	Grain 8	E.ON	2	455	100.0	455	455	2011
Т	Fotal			4,575		4,575	4,575	



_ _ _ _ _ _ _ _ _ _ _ _ _

CCGT - Power stations (2)

– Sweden¹ –

					E.ON share	9	
	Shareholders	Conso- lidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Öresundsverket	E.ON Sverige	2	449	100.0	449	449	2009
1 Öresundsverket GT G24	E.ON Sverige	2	63	100.0	63	63	1972
1 Öresundsverket GT G25	E.ON Sverige	2	63	100.0	63	63	1973
1 Barsebäck GT1	E.ON Sverige	2	42	100.0	42	42	1973
1 Barsebäck GT2	E.ON Sverige	2	42	100.0	42	42	1973
2 Halmstad G11	E.ON Sverige	2	78	100.0	78	78	1972
2 Halmstad G12	E.ON Sverige	2	172	100.0	172	172	1972
3 Karlshamn G13	E.ON Sverige	2	37	100.0	37	37	1971
Other	E.ON Sverige/ Fortum	2	68	54.5	37	68	1973
Total			1,014		983	1,014	

-Italy¹-

		E.ON share			E.ON sh	are	
	Shareholders	Consolidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Tavazzano 5-6	E.ON	2	1.140	100,0	1.140	1.140	1993
2 Ostiglia 1-3	E.ON	2	1.137	100,0	1.137	1.137	2004
3 Scandale	E.ON/A2A	3	814	50,0	407	0	2010
4 Livorno Ferraris	E.ON/BKW Italia	2	805	75,0	604	805	2008
5 Trapani	E.ON	2	213	100,0	213	213	1987
6 CEF	E.ON/Foster Wheeler	3	142	58,4	83	0	1999
7 Mira	E.ON	2	8	100,0	8	8	2004
Total			4,259		3,591	3,303	



L

CCGT - Power stations (3)

					E.ON share	9	
	Shareholders	Conso- lidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
Escatrón	E.ON	2	804	100.0	804	804	2008
Tarragona	E.ON	2	386	100.0	386	386	2002
Algeciras	E.ON	2	821	100.0	821	821	2011
Total			2,011		2,011	2,011	
Belgium ¹							
			_		E.ON shar		
	Shareholders	Conso- lidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
Vilvoorde	E.ON	2	385	100.0	385	385	2001
Total			385		385	385	
Hungary ¹ —							
					E.ON sha		
	Shareholders	Conso- lidation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
Gönyu	E.ON	2		100.0	-	428	2011
Total			428		428	428	

28

60

CCGT - Power stations (4)

─ Change of portfolio¹ –

	Status YE 2012						Status YE 2013		
	Shareholder	Interest %	Pro rata (MW)	Accounting (MW)	Type of movement	Change in interest %	Pro rata (MW)	Accounting (MW)	
CEF	E.ON	58%	83	83	Consolidation method	n.a.	83	0	
Scandale	E.ON	50%	407	407	Consolidation method	n.a.	407	0	
Tavazzano 8	E.ON	100%	300	300	Mothballing	n.a.	0	0	
Trapani	E.ON	100%	169	169	Upgrade	n.a.	213	213	
Malzenice	E.ON	100%	418	418	Mothballing	n.a.	0	0	
Total Other EU countries			1,377	1,377			703	703	



CCGT – Mothballed assets

- Mothballed CCGT power plants -

					E.ON share	
	Shareholders	Fleet	Country	%	Pro rata (MW)	Accounting (MW)
Malzenice	E.ON	CCGT	Slovakia	100,0	418	418
Tavazzano 8	E.ON	CCGT	Italy	100,0	300	300
Total					718	718





E.ON Renewables

Germany – France – Spain – Portugal – Italy – Poland - U.K. - Denmark - Sweden - US



Renewables – Business snapshot

- E.ON Climate & Renewables is responsible for E.ON's industrial-scale renewable energy activities
- Develops, builds and operates large renewable energy assets, primarily in Europe and North America
- Its technology portfolio covers onshore and offshore wind, concentrating solar power (CSP) and photovoltaic



- 2010-2013 EBITDA







Generation capacity and output by technology

- Generation capacity (MW) - Accounting view¹

	2013	%	2012	%	
Hydro	4,855	48	5,051	52	
Onshore wind	3,694	37	4,044	42	
Offshore wind	688	7	451	5	
Biomass	783	8	43	0	
Small hydro	25	0	25	0	
Solar PV/CSP	62	1	57	1	
Total	10,107	100	9,671	100	

- Generation capacity (MW) – Pro rata view¹ —

	2013	%	2012	%	
Hydro	4,907	46	5,007	51	
Onshore wind	4,022	38	4,159	42	
Offshore wind	704	7	467	5	
Biomass	787	7	48	0	
Small hydro	25	0	25	0	
Solar PV/CSP	129	1	113	1	
Total	10,574	100	9,819	100	

- Generation output (TWh) - Accounting view¹ -

	2013	%	2012	%	
Hydro	15.7	54	16.9	59	
Onshore wind	10.3	35	9.6	34	
Offshore wind	2.2	7	1.6	5	
Biomass	0.9	3	0.4	1	
Small hydro	0.1	0	0.1	0	
Solar PV/CSP	0.1	0	0.1	0	
Total	29.2	100	28.6	100	



Generation capacity and output by country

Generation c	apacity	(MW) –	Accounting	view ¹

	2013	%	2012	%
USA	2,294	23	2,724	28
UK	1,485	15	481	5
Italy	909	9	905	9
Spain	951	9	950	10
Germany	2,275	23	2,470	26
Denmark & Sweden	1,939	19	1,894	20
France	95	1	95	1
Poland	99	1	91	1
Portugal	60	1	60	1
Total	10,107	100	9,671	100

┌─ Generation output (TWh) – Accounting view ¹								
	2013	%	2012	%				
USA	7.2	25	6.9	24				
UK	2.8	10	1.5	5				
Italy	2.7	9	1.6	6				
Spain	2.0	7	1.6	6				
Germany	6.4	22	7.1	25				
Denmark & Sweden	7.4	25	9.4	33				
France	0.2	1	0.2	1				
Poland	0.2	1	0.2	1				
Portugal	0.2	1	0.2	1				
Total	29.2	100	28.6	100				

- Generation capacity (MW) – Pro rata view¹ –

	2013	%	2012	%
USA	2,530	24	2,731	28
UK	1,496	14	492	5
Italy	909	9	905	9
Spain	1,153	11	1,151	12
Germany	2,071	20	2,206	22
Denmark & Sweden	2,153	20	2,078	21
France	95	1	95	1
Poland	93	1	86	1
Portugal	75	1	75	1
Total	10,574	100	9,819	100



Change of portfolio (ex large Hydro)

– Change of portfolio¹ –

			<u>Status Y</u>	<u>′E 2012</u>			Status YE	<u>= 2013</u>
	Shareholder	Interest %	Pro rata (MW)	Accounting (MW)	Type of movement	Change in interest %	Pro rata (MW)	Accounting (MW)
Fiume Santo 3	E.ON	n.a.	-	-	Construction	100%	4	4
Valencia	E.ON	n.a.	-	-	Construction	100%	13	0
Wysoka	E.ON	n.a.	-	-	Construction	100%	8	8
Rosehall	E.ON	n.a.	-	-	Construction	100%	25	25
London Array	E.ON	n.a.	-	-	Construction	30%	189	189
Karehamn	E.ON	n.a.	-	-	Construction	100%	48	48
Villkol	E.ON	n.a.	-	-	Construction	100%	21	21
Camster	E.ON	n.a.	-	-	Construction	100%	50	50
Ironbridge	E.ON	n.a.	-	-	Technology conversion	n.a.	740	740
Total							1,098	1,085
Kalkhorst	edis	74%	3	4	Sale	-74%	0	0
Werder	edis	74%	6	8	Sale	-74%	0	0
Papalote I + II	E.ON	100%	380	380	Sale	-50%	190	0
Stony Creek	E.ON	100%	52	52	Sale	-50%	26	0
Total			441	444			216	0



Renewables assets in Germany (1)

Locations in Germany¹ – 6 3 (8) Operating sites - Capacity and output^{1,2} 2013 2012 Generation capacity (MW) 2,072 2,244 6.1 Generation output (TWh) 6.7

- Hydro - Proprietary - Run of River¹

E.ON share

	Shareholders	Consolidation ⁴	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Obernach	E.ON	2	13	100	13	13	1955
2 Mühltal	E.ON	2	11	100	11	11	1924
3 Aufkirchen D+E	E.ON	2	27	100	27	27	1924
3 Eitting D+E	E.ON	2	26	100	26	26	1925
3 Pfrombach D	E.ON	2	22	100	22	22	1929
4 Altheim	E.ON	2	18	100	18	18	1951
4 Niederaichbach	E.ON	2	16	100	16	16	1951
4 Gummering	E.ON	2	15	100	15	15	1957
4 Dingolfing	E.ON	2	15	100	15	15	1957
4 Landau	E.ON	2	13	100	13	13	1984
4 Ettling	E.ON	2	13	100	13	13	1988
4 Pielweichs	E.ON	2	13	100	13	13	1994
4 Geisling	E.ON / Other ³	2	25	77	19	25	1985
4 Straubing	E.ON / Other ³	2	22	77	17	22	1994
5 Prem	E.ON	2	19	100	19	19	1971
5 Urspring	E.ON	2	10	100	10	10	1966
5 Dessau	E.ON	2	10	100	10	10	1967
5 Dornau	E.ON	2	17	100	17	17	1960
5 Kaufering	E.ON	2	17	100	17	17	1975
5 Schwabstadl	E.ON	2	12	100	12	12	1981
5 Scheuring	E.ON	2	12	100	12	12	1980
5 Prittriching	E.ON	2	12	100	12	12	1984
5 Unterbergen	E.ON	2	12	100	12	12	1983
5 Merching	E.ON	2	12	100	12	12	1978
6 Bergheim	E.ON / Other ³	2	24	78	18	24	1970
6 Bertoldsheim	E.ON / Other ³	2	19	78	15	19	1967
6 Bittenbrunn	E.ON / Other ³	2	20	78	16	20	1969
6 Ingolstadt	E.ON / Other ³	2	20	78	15	20	1971
6 Vohburg	E.ON / Other ³	2	23	78	18	23	1992
6 Oberpeiching	E.ON / Other ³	2	12	77	10	12	1954
6 Rain	E.ON / Other ³	2	11	77	9	11	1955
6 Ellgau	E.ON / Other ³	2	10	77	7	10	1952
7 Kachlet	E.ON / Other ³	2	54	77	42	54	1927
8 Faimingen	E.ON / Other ³	2	10	46	5	10	1965
8 Höchstädt	E.ON / Other ³	2	10	46	5	10	1982
Others (< 10 MW) Total			333 927		266 795	333 927	

1. As of December 31, 2013.

2. Accounting view.

3. Other = ENBW / Lechwerke.

4. Consolidation: 1 E.ON share; pro rata consolidation · 2 E.ON share; full consolidation · 3 E.ON share; not consolidated.


F ON share

Renewables assets in Germany (2)

Locations in Germany¹ – **4** 3 5 6 (7) 21

Operating sites

– Hydro – Proprietary – Storage¹

				L	.014 511			L
	Share- holders	Consoli- Ca dation ² (ne		% F	ro rata (MW)	Accounting (MW)	Start-up date	
1 Walchenseekraftwerk D+E	E.ON	2	124	100	124	124	1924	
2 Roßhaupten	E.ON	2	46	100	46	46	1954	
3 Bringhausen	E.ON	2	70	100	70	70	1931/33	
3 Hemfurth	E.ON	2	20	100	20	20	1915/94	
4 Helminghausen	E.ON	2	1	100	1	1	1924	
Total			261		261	261		

– Hydro – Proprietary – Pump storage¹

					E.ON	share	
	Share- holders	Consoli- dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
3 Waldeck I	E.ON	2	73	100	73	73	1933/2009
3 Waldeck II	E.ON	2	480	100	480	480	1974
5 Langenprozelten	E.ON/other ³	2	164	78	127	164	1976
6 Happurg	E.ON	2	160	100	160	160	1963/65
7 PSP Oberberg	E.ON	2	7	100	7	7	1960
Total			884		848	884	





Renewables assets in Germany (3)



O	Inshore wind parks				_	E.ON	I share	
		Share- holders		Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	-
1	Cuxhaven	E.ON/RWE	3	5	50	3	0	2006
2	Kessin	E.ON/Other	3	6	7	0	0	2002
3	Schönerlinde II	E.ON/Other	3	2	47	1	0	2002
4	Windpark Dargelütz	E.ON	2	22	100	22	22	2006
5	Helmstedt-Treue	E.ON	2	8	100	8	8	2005
6	Windpark Treue-Ost	E.ON	2	8	100	8	8	2007
7	Alt Mahlisch I	edis	2	5	67	3	5	2002
7	Alt Mahlisch II	edis	2	4	67	2	4	2003
7	Alt Mahlisch III	edis	2	2	67	1	2	2004
8	Badingen	edis	2	6	67	4	6	2004
9	Breitling	edis	2	3	67	2	3	2006
10	Buschmühlen	edis	2	3	67	2	3	2001
11	Carzig	edis	2	3	67	2	3	2004
12	Edersleben	edis	2	12	67	8	12	2002
13	Frauenhagen	edis	2	10	67	7	10	2002
	Ketzin	edis	2	18	67	12	18	2005

Operating sites

- Wind parks¹ -

5 6





Renewables assets in Germany (4)



– Locations in Germany¹ –

_								
	Onshore wind par	ks			-	E.OI	N share	
		Share- holders	Consoli- dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1	Losten	edis	2	12	67	8	12	2004
2	Löwitz	edis	2	3	67	2	3	2004
3	Miltzow	edis	2	14	67	3	4	2001
4	Mutzschen	edis	2	8	67	5	8	2004
5	Mutzschen II	edis	2	6	67	4	6	2006
6	Naundorf 1	edis	2	14	67	9	14	2004
7	Naundorf 2	edis	2	4	67	3	4	2007
8	Neustadt Dosse	edis	2	2	67	1	2	1998/2000
9	Poppendorf	edis	2	5	67	3	5	2006
10	Poppendorf II	edis	2	7	67	5	7	2007
11	Riethnordhausen	edis	2	10	67	7	10	2007
12	Schortewitz	edis	2	15	67	10	15	2004
13	Schönerlinde	edis	2	2	67	1	2	2002
14	Seelow	edis	2	4	67	2	4	2003
15	Thaerfelde	edis	2	4	67	3	4	2001
16	Wriezen	edis	2	2	67	2	2	1998/2001
	Total			225		152	203	
	Offhore wind parks	5						
17	Alpha Ventus	E.ON/EWE Vattenfall	/ 3	60	26	16	0	2010



Renewables assets in France



- Onshore wind parks¹ ----

					E.ON s	share	
	Share- holders	Consoli- dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Lehaucourt	E.ON	2	10	100	10	10	2007
2 Ambon	E.ON	2	10	100	10	10	2008
3 LV Cernon	E.ON	2	10	100	10	10	2008
4 Muzillac	E.ON	2	10	100	10	10	2008
5 Caulières	E.ON	2	18	100	18	18	2011
6 Kergrist	E.ON	2	26	100	26	26	2010
Total			84		84	84	

– Solar parks¹ –

						E.ON s	share	
						L.ON S		
		Share- holders	Consoli- dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
7	Le Lauzet	E.ON	2	3	100	3	3	2011
8	Brigadel	E.ON	2	8	100	8	8	2011
	Total			11		11	11	

Renewables assets in Spain (1)



— Hydro ¹ ·							
					E.ON s	hare	_
	Share- holders	Consoli- dation ³	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Remolina	E.ON	2	83	100	83	83	1990
1 Arenas	E.ON	2	8	100	8	8	1958
1 Urdón	E.ON	2	6	100	6	6	1910
1 Camarmeña	E.ON	2	11	100	11	11	1921
1 Paraya	E.ON	2	3	100	3	3	1919
2 Doiras	E.ON	2	58	100	58	58	1944/2008
2 Silvón	E.ON	2	80	100	80	80	1956/2004
2 Arbon	E.ON	2	55	100	55	55	1967
3 Aguayo	E.ON	2	361	100	361	361	1982
3 Aguilar	E.ON	2	10	100	10	10	1964
3 Torina	E.ON	2	12	100	12	12	1921
3 Bárcena	E.ON	2	2	100	2	2	1956
4 Begasa	E.ON	2	5	55	3	5	
Total			693		691	693	



E.ON share

Renewables assets in Spain (2)



– Onshore wind parks¹ -

				-		L.ON	311010	_
	Project location	Share- holders	Consoli- dation ²	Capacity (net MW)	%P	ro rata (MW)	Accounting (MW)	Start-up date
1	Ascoy	E.ON/Elecdey	2	8	20	1	0	2003
2	Bodenaya	E.ON	2	18	100	18	18	2005
3	La Victoria	E.ON	2	24	100	24	24	2010
4	Carcelén	E.ON/EDP	3	50	23	11	0	2004
5	Páramo de Poza	E.ON/Enerfin	3	100	15	15	0	2004
6	Pax	E.ON/EURUS	3	40	49	19	0	1998
7	Pico Gallo	E.ON	2	24	100	24	24	2001
8	Mingorrugio	E.ON	2	26	100	26	26	2009
9	Sierra de Tineo	E.ON	2	44	100	44	44	2009
10	Matabuey	E.ON/ASCIA	2	16	100	16	16	2011
11	Bargas	E.ON/GEA	1	45	47	21	0	2005
12	Remolinos	E.ON/EDP	1	12	50	6	0	1997
13	Planas de Pola	E.ON/EDP	1	36	50	18	0	1999
14	Mallén	E.ON	2	30	100	30	30	2006
15	Magallón	E.ON/GEA	3	40	36	14	0	2005
16	Borja 2	E.ON/EDP	3	22	50	11	0	2001
17	Borja 1	E.ON/EDP	3	16	50	8	0	1997
18	Boquerón	E.ON/EDP	3	50	50	25	0	2003
19	Hiperion	E.ON	2	50	100	50	50	2011
	Total			648		382	232	



Renewables assets in Spain (3)

- Locations in Spain¹ -**(4) (2) (3)** Operating sites

							E.ON	share	
		Share- C holders	Consoli- dation ²	Cap (net	acity MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1	Juneda Total	Abantia	3		16 16	26	4 4	0 0	2001
	Small hyd	ro ¹ ——					E.O	N share	
		Share- C holders	onsoli- dation ²	Cap (net	acity MW)	%	Pro rata (MW)		Start-up date
2	Giribaile (Jaén)		2		-	100	20	20	2006
3	CRISA Total	E.ON	2		5 25	100	5 25	5 25	2005
	Concentra	ited solar	. bom	er ¹			E.C	DN share	
		Share- holders			Capacity net MW		Pro rata (MW)		- Start-up date



Renewables assets in Portugal



– Onshore wind parks¹ –

						E.ON	share	_
	Project location	Shareholders	Consoli- dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	
1	Joguinho	E.ON/ Valouro Group	3	26	45	12	0	2007
3	Alto de Folgorosa Espinhaço de Cao Barao Sao Joao	E.ON	3 2 2	18 10 50	45 100 90	8 10 45	0 10 50	2009
	Total			104		75	60	



Renewables

Renewables assets in Italy (1)



schi-Alviano tilia Ileto M.S. Angelo Ileto Pennarossa	Share- holders E.ON E.ON E.ON		Capacity (net MW) 98 48	% 100 100	Pro rata Acc (MW) 98 48	(MW) 98	Start-up date
tilia lleto M.S. Angelo	E.ON E.ON	2	48				
lleto M.S. Angelo	E.ON			100	/8	40	
•		2			-0	48	1942
lleto Pennarossa		2	210	100	210	210	1928/7 ⁻
	E.ON	2	7	100	7	7	197 ⁻
Argento	E.ON	2	64	100	64	64	1950
rni	E.ON	2	40	100	40	40	1958
ra Montoro	E.ON	2	28	100	28	28	1911/94
eci	E.ON	2	10	100	10	10	1928
jillo	E.ON	2	5	100	5	5	1950
ponzo	E.ON	2	6	100	6	6	1960
ners (<5MW)	E.ON	2	15	100	15	15	
tal			531		531	531	
p n	ci llo onzo ers (<5MW)	ci E.ON Ilo E.ON onzo E.ON ers (<5MW) E.ON	ci E.ON 2 llo E.ON 2 onzo E.ON 2 ers (<5MW) E.ON 2	ci E.ON 2 10 llo E.ON 2 5 onzo E.ON 2 6 ers (<5MW) E.ON 2 15	ci E.ON 2 10 100 llo E.ON 2 5 100 onzo E.ON 2 6 100 ers (<5MW) E.ON 2 15 100	ciE.ON21010lloE.ON251005onzoE.ON261006ers (<5MW)E.ON21510015	ciE.ON21010010lloE.ON2510055onzoE.ON2610066ers (<5MW)E.ON2151001515



Renewables assets in Italy (2)



– Onshore wind parks¹ –

- C	inshore with	u parks				E.ON s	hare	
		Share- holders	Consoli- dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1	Alcamo	E.ON	2	32	100	32	32	2011
2	Florinas	E.ON	2	20	100	20	20	2004
3	Vizzini	E.ON	2	24	100	24	24	2006
4	Montecute	E.ON	2	44	100	44	44	2006
5	Poggi Alti	E.ON	2	20	100	20	20	2006
6	Marco A. Severino	E.ON	2	44	100	44	44	2007
7	lardino	E.ON	2	14	100	14	14	2005
8	Serra Pelata	E.ON	2	42	100	42	42	2007
8	Serra Pelata II	E.ON	2	12	100	12	12	2010
9	Piano di Corda	E.ON	2	38	100	38	38	2007
9	Piano di Corda II	E.ON	2	6	100	6	6	2010
10	Santa Ninfa	E.ON	2	32	100	32	32	2007
	Total			328		328	328	

	iolar PV ¹ ——					E.O	N share	
		Share- holders	Consoli- dation ²	Capacity (net MW)	% F	Pro rata (MW)	Accounting (MW)	Start-up date
11	Fiumesanto parking	E.ON	2	1	100	1	1	2009
11	Fiumesanto 2	E.ON	2	18	100	18	18	2011
11	Fiumesanto 5	E.ON	2	11	100	11	11	2011
11	Fiumesanto 3	E.ON	2	4	100	4	4	2013
12	Costa de Nobili	E.ON	2	3	100	3	3	2011
13	Frugarolo	E.ON	2	3	100	3	3	2011
14	Civitella	E.ON	2	6	100	6	6	2011
15	Nepi I + II	E.ON	2	4	100	4	4	2011
	Total			50		50	50	



Renewables assets in Poland



- Onshore wind parks¹ ----

						E.ON	share	_
		Share- holders	Consoli- dation ²	Capacity (net MW)	% F	Pro rata Ac (MW)	counting (MW)	Start-up date
1	Lebcz 1	edis	2	8	67	5	8	2007
2	Lebcz 2	edis	2	10	67	7	10	2008
3	Wielkopolska	E.ON	2	53	100	53	53	2010
4	Barzowice	E.ON	2	21	100	21	21	2011
5	Wysoka I	E.ON	2	8	100	8	8	2013
	Total			99		93	99	



Renewables

date ROCs

Start-up

2010/07

E.ON share

Pro rata Accounting

(MW)

(MW)

%

Renewables assets in U.K. (1)

_	_		_
	hore	wind	parks

Askam

20 Rosehall

Total

2	Stags Holt 5A	E.ON	2	20	100	
3	Bowbeat	E.ON	2	31	100	
4	Deucheran Hill	E.ON	2	16	100	
5	Haswell Moor	E.ON	2	10	100	
6	Holmside	E.ON	2	3	100	
7	High Volts	E.ON	2	8	100	
8	Hare Hill	E.ON	2	6	100	
9	Lowca	E.ON	2	5	100	
10	Oldside	E.ON	2	5	100	
11	Out Newton	E.ON	2	9	100	
12	Ovenden Moor	First Renew. Eurus	3	9	50	
13	Rhyd-y-Groes	Energy	3	7	50	
14	Royd Moor	First Renew.		7	50	
15	Siddick	E.ON	2	4	100	
16	Great Eppleton	E.ON	2	8	100	
17	Butterwick Moor	E.ON	2	21	100	
18	Tween Bridge	E.ON	2	44	100	
19	Camster	E.ON	2	50	100	
	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 3 Bowbeat 4 Deucheran Hill 5 Haswell Moor 6 Holmside 7 High Volts 8 Hare Hill 9 Lowca 10 Oldside 11 Out Newton 12 Ovenden Moor 13 Rhyd-y-Groes 14 Royd Moor 15 Siddick 16 Great Eppleton 17 Butterwick Moor 18 Tween Bridge 	 3 Bowbeat E.ON 4 Deucheran Hill E.ON 5 Haswell Moor E.ON 6 Holmside E.ON 7 High Volts E.ON 8 Hare Hill E.ON 9 Lowca E.ON 10 Oldside E.ON 11 Out Newton E.ON 12 Ovenden Moor First Renew. Eurus 13 Rhyd-y-Groes Energy 14 Royd Moor First Renew. 15 Siddick E.ON 16 Great Eppleton E.ON 18 Tween Bridge E.ON 	3BowbeatE.ON24Deucheran HillE.ON25Haswell MoorE.ON26HolmsideE.ON27High VoltsE.ON28Hare HillE.ON29LowcaE.ON210OldsideE.ON211Out NewtonE.ON212Ovenden MoorFirst Renew.313Rhyd-y-GroesEnergy314Royd MoorFirst Renew.215SiddickE.ON216Great EppletonE.ON217Butterwick MoorE.ON218Tween BridgeE.ON2	3BowbeatE.ON2314Deucheran HillE.ON2165Haswell MoorE.ON2106HolmsideE.ON237High VoltsE.ON288Hare HillE.ON269LowcaE.ON2510OldsideE.ON2511Out NewtonE.ON2912Ovenden MoorFirst Renew.3913Rhyd-y-GroesEnergy3714Royd MoorFirst Renew.7715SiddickE.ON2416Great EppletonE.ON2817Butterwick MoorE.ON22118Tween BridgeE.ON244	3 Bowbeat E.ON 2 31 100 4 Deucheran Hill E.ON 2 16 100 5 Haswell Moor E.ON 2 10 100 6 Holmside E.ON 2 3 100 7 High Volts E.ON 2 3 100 8 Hare Hill E.ON 2 8 100 9 Lowca E.ON 2 6 100 9 Lowca E.ON 2 5 100 10 Oldside E.ON 2 5 100 11 Out Newton E.ON 2 9 100 12 Ovenden Moor First Renew. 3 9 50 13 Rhyd-y-Groes Energy 3 7 50 14 Royd Moor First Renew. 7 50 15 Siddick E.ON 2 4 100 16 Great Eppleton E.ON 2 21 100

E.ON

Share-

E.ON

Holders

Consoli-

dation²

Capacity

(net MW)



Renewables assets¹ -

2. Consolidation: 1 E.ON share; pro rata consolidation · 2 E.ON share; full consolidation · 3 E.ON share; not consolidated...

3. Average ROCs/MWh received

Renewables assets in U.K. (2)



– Offshore wind parks and biomass plants¹ -

						E.ON s	hare	_	
		Share- holders	Consoli Ca -dation ² (ne		F %	Pro rata Aco (MW)	counting Sta (MW)	art-up date R	OCs ³
Bic	omass								
1	Steven's Croft	E.ON	2	43	100	43	43	2011	2
2	Ironbridge	E.ON	2	740	100	740	740	2013	1
	Total			783		783	783		
Of	fshore wind								
3	Blyth	E.ON	2	4	100	4	4	2000	0,5
4	Scroby Sands	E.ON	2	60	100	60	60	2004	1
5	Robin Rigg Eas Robin Rigg	st E.ON	2	90	100	90	90	2010	2
5	West	E.ON	2	90	100	90	90	2009	1,5
6	London Array	E.ON	1	619	30	189	189	2013	2
	Total			863		433	433		



Renewables

Renewables assets in Denmark and Sweden (1)

Locations in Sweden¹ 1 4 7 5 62 Operating sites - Capacity and output^{1,2} 2013 2012 Generation capacity (MW) 1,559 1,779 Generation output (TWh) 6.3 8.3

					E.ON	share	
	Shareholders	Consoli- dation ³ (Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
1 Bålforsen	E.ON Sverige	2	88	100	88	88	1958
2 Bergeforsen	E.ON Sverige/ Vattenfall	3	155	43	67	0	1959
3 Blåsjön	E.ON Sverige/ Fortum	3	60	50	30	0	1957
4 Degerforsen	E.ON Sverige	2	65	100	65	65	1966
4 Edensforsen	E.ON Sverige	2	73	100	73	73	1956
4 Gulsele	E.ON Sverige	2	72	100	72	72	1955
4 Hällby	E.ON Sverige	2	84	100	84	84	1970
5 Edsele	E.ON Sverige	2	60	100	60	60	1965
5 Forsse	E.ON Sverige	2	52	100	52	52	1968
5 Hjälta	E.ON Sverige	2	178	100	178	178	1952
5 Moforsen	E.ON Sverige	2	135	100	135	135	1968
5 Ramsele	E.ON Sverige	2	163	100	163	163	1958
5 Sollefteå	E.ON Sverige	3	61	50	31	0	1966
5 Storfinnforsen	E.ON Sverige	2	112	100	112	112	1954
5 Linnvasselv	E.ON Sverige/ Fortum	3	70	10	7	0	1962
5 Gammelänge	E.ON Sverige/ Fortum	3	78	7	5	0	1944
5 Krångede	E.ON Sverige/ Fortum	3	248	9	23	0	1936
6 Rätan	E.ON Sverige	2	60	100	60	60	1968
6 Trångfors	E.ON Sverige	2	73	100	73	73	1975
7 Stensjönfallet	E.ON Sverige/ Fortum	3	95	50	48	0	1968
Other (<50 MW)		369		356	343	
Total			2,351		1,781	1,559	



Renewables assets in Denmark and Sweden (2)



– Onshore and offshore wind parks¹ –

						E.ON	share	
		Share- holders		Capacity (net MW)	%	Pro rata Acc (MW)	ounting (MW)	Start-up date
On	shore wind							
1	Boel	E.ON	2	2 2	100	2	2	2001
2	Lundåkra 1 & 2	E.ON	2	4	100	4	4	2003
3	Lundåkra 3 & 4	E.ON	2	5	100	5	5	2008
4	Vindön 1 - 12	E.ON	2	2 7	100	7	7	1996
5	Västra Götaland 1	E.ON E.ON/Anders	2	6	100	6	6	2011
6	Halland 1/2	Månsson	2	26	90	25	26	2011/12
7	Kalmar 1	E.ON/Other	2	20	90	18	20	2011
8	Örken	E.ON	2	18	100	18	18	2012
9	Skabersjö	E.ON/Other	2	10	51	5	10	2012
10	Skane 2	E.ON	2	6	100	6	6	2012
11	Villkol	E.ON	2	21	100	21	21	2013
	Total			125		117	125	
Off	shore wind							
12	Rødsand 2	E.ON	2		100	207	207	2010
13	Karehamn	E.ON	2	48	100	48	48	2013
	Total			255		255	255	



Renewables assets in US



Onshore wind parks¹

– Onshore wind J	Jaiks				E.OI	N share	_	
	Share- holders		Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)		PPA % ⁴
1 Forest Creek	E.ON	2	124	100	124	124	2007	100%
2 Sand Bluff	E.ON	2	90	100	90	90	2008	0%
3 Munnsville	E.ON	2	35	100	35	35	2007	100%
4 Roscoe ³	E.ON	2	209	100	209	209	2008	0%
5 Champion ³	E.ON	2	127	100	127	127	2008	0%
6 Inadale - Phase I&II ³	E.ON	2	197	100	197	197	2008	0%
7 Pyron ³	E.ON	2	249	100	249	249	2009	0%
8 Papalote I	E.ON	3	180	50	90	0	2009	72%
9 Papalote II	E.ON	3	200	50	100	0	2010	100%
10 Stony Creek	E.ON	3	53	50	26	0	2009	100%
11 Panther Creek - Phase I & II	E.ON	2	258	100	258	258	2008	0%
12 Panther Creek III	E.ON	2	200	100	200	200	2009	0%
13 Pioneer Trail	E.ON	2	150	100	150	150	2012	100%
14 Settlers Trail	E.ON	2	150	100	150	150	2011	0%
15 Anacacho	E.ON	2	100	100	100	100	2012	100%
16 Magic Valley I	E.ON	2	203	100	203	203	2012	100%
17 Wildcat I (fka Grant I)	E.ON	2	203	100	203	203	2012	57%
Total			2,727		2,511	2,294		

- Solar PV¹ -

					E.ON s	share	
	Share- holders	Consoli- dation ²	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
18 Tech Park Solar (FSP2)	E.ON	3	6	100	6	0	2012
19 Valencia	E.ON	3	13	100	13	0	2013
Total			19		19	0	

1. As of December 31, 2013.

2. Consolidation: 1 E.ON share; pro rata consolidation · 2 E.ON share; full consolidation · 3 E.ON share; not consolidated...

3. Part of the Roscoe complex

4. % to be sold under Power Purchase Agreements





E.ON Exploration & Production

Rita – Babbage – Elgin Franklin – Huntington – Njord – Skarv – Yuzhno Russkoye



E&P – Business snapshot

- E&P business commenced in 2003 after acquisition of Ruhrgas by E.ON
- Major portfolio development steps: Elgin-Franklin (2003), Njord (2003 & 2005), Caledonia (2005), Skarv (2007) and Yuzhno Russkoye (2009)
- Focus on selected hydrocarbon provinces: Offshore UK, Norway and Russia
- Portfolio managed across whole E&P value chain: exploration, development and production

- 2010-2013 EBITDA & EBIT







Assets in operation¹ and under construction

North Sea



- Norwegian Sea	
	Interest in %
Skarv/Idun	28
Njord	30
Hyme	17.5

- Central North Sea ------

Î.	Interest in %
Elgin/Franklin	5.2
Scoter	12.0
West Franklin	5.2
Merganser	7.9
Glenelg	18.6
Huntington	25

-- Southern North Sea ----

Interest in %
74.0
28.8
50.1
40.0
47.0
23.5



F&F

Oil and gas production



– North Sea movements in 2P reserves ¹ –––				
	Mboe			
Reserves at start of 2013	213			
+ Revisions	-16			
+ Improved recovery				
+ Discoveries	6			
- Production	-17			
+ Purchases of reserves				
= Reserves at end of 2013	186			



North Sea Production

– Production (E.ON share net volumes) -

	Liquids	and Gas	Liqu	lids	G	as
	2012	2013	2012	2013	2012	2013
Field	mboe	mboe	mboe	mboe	mboe	mboe
Huntington	0	0.82	0	0.74	0	0.08
Elgin Franklin	0.53	0.57	0.26	0.30	0.27	0.27
Babbage	0.90	0.82	0	0	0.90	0.82
Johnston	0.33	0.38	0	0	0.33	0.38
Other ²	0.96	1.56	0.08	0.11	0.88	1.45
Total UK	2.72	4.15	0.34	1.15	2.38	3.00
Skarv	0	9.97	0	4.98	0	4.99
Njord	2.59	1.90	1.16	0.89	1.43	1.01
Hyme	0	0.50	0	0.44	0	0.06
Other ¹	0	0	0	0	0	0
Total Norway	2.59	12.37	1.16	6.31	1.43	6.06
Total North Sea	5.31	16.52	1.50	7.46	3.81	9.06

E&P

North Sea 2P Reserves

– Reserves (E.ON share net volumes) –

	Liquids	and Gas	Liqu	iids	G	as
	2012	2013	2012	2013	2012	2013
Field	mboe	mboe	mboe	mboe	mboe	mboe
Huntington	6.10	5.11	5.58	4.6	0.52	0.51
Elgin Franklin	25.10	24.82	10.78	10.5	14.32	14.32
Babbage	9.60	7.16	0	0	9.60	7.16
Johnston	2.30	2.98	0	0	2.30	2.98
Other ²	12.93	10.83	1.87	1.0	11.06	9.83
Total UK	56.03	50.90	18.23	16.1	37.80	34.80
Skarv	122.6	110.9	50.92	42.6	71.68	68.3
Njord ³	26.7	12.38	11.26	5.0	15.44	7.38
Hyme	3.0	2.83	2.62	2.5	0.38	0.33
Other ¹	5.0	9.48	1.52	6.3	3.48	3.18
Total Norway	157.3	135.59	66.32	56.4	90.98	79.19
Total North Sea	213.33	186.49	84.55	72.5	128.78	113.99

2. Arran, Caister, Glenelg, Hunter, Merganser, Orca, Ravenspurn North, Rita, Scoter

3. Due to pending approval of any further Njord investments, the reserves was downgraded as they only include volumes only from existing wells

Russia

– Yuzhno Russkoye







E.ON Global Commodities

Proprietary Trading – Optimization – Storage & Transport



Global Commodities – Business snapshot

- E.ON Global Commodities acts as the central commodity risk manager and asset optimizer, managing up to 90% of unregulated energy commodity price risks for the E.ON Group
- Identifies and captures opportunities along the entire energy value chain on a global scale
- From the optimization and hedging of E.ON's power and gas portfolio to the sourcing, storage, transport and marketing of global physical commodities such as coal, LNG, and oil
- Active at energy exchanges throughout Europe and in the US as well as in global OTC markets





- 2010-2013 EBITDA & EBIT

Power & Carbon trading and optimization







Gas trading

- Gas hubs: where is E.ON active

EGC trades Gas via OTC and at the major energy exchanges, including EEX (DE), APX (UK and NL), Endex (BE and NL), Powernext (FR), ICE (UK), and NYMEX (US).





LNG regas capacity







Coal & Freight trading

International steam coal imports by country 2013 (In Megatons)¹ ——





Gas Storage







Gas storage - Asset portfolio

Application	(GWh)	Working Capacity	Injection Rate (MWh/h)	Withdrawal Rate (MWh/h)	ermany ——	- 60
Mainly seasonal use	15,680		8,960	13,440	Bierwang	1
Seasonal use	11,110		2,800	5,824	Breitbrunn	2
Peak shaving and seasonal use	17,574		13,920	19,720	Epe H-Gas	3
Peak shaving	4,420		5,802	11,760	Epe L-Gas	4
Peak shaving and seasonal use	538		373	971	Eschenfelden	5
Seasonal use and peak shaving	11,925		6,960	15,312	Etzel EGL	6
Seasonal use and peak shaving	11,797		16,043	16,368	Etzel ESE	7
Peak shaving and seasonal use	904		678	1,130	Hähnlein	8
Seasonal use and peak shaving	3,163		1,904	4,480	Kraak	9
Peak shaving	2,668		1,041	3,540	Krummhörn	10
Peak shaving	1,290		1,982	2,921	Nüttermoor	11
Seasonal use and peak shaving	4,256		1,680	3,920	Reitbrook	12
Peak shaving	290		281	605	Rönne	13
Peak shaving and seasonal use	336		224	504	Sandhausen	14
Seasonal use and peak shaving	1,526		1,017	1,526	Stockstadt	15

Austria ——				
	Withdrawal Rate (MWh/h)	Injection Rate (MWh/h)	Working Capacity (GWh)	Application
1 7 Fields	6,799	4,537	13, 049	Mainly seasonal use
UK				
	Withdrawal Rate (MWh/h)	Injection Rate (MWh/h)	Working Capacity (GWh)	Application
1 Holford	9,930	9,930	1,820	Peak shaving



Gas transport - Infrastructure shareholdings



– Main infrastructure shareholdings¹

Shareholding	Capacity bcm/a	Start-up date	Share held (%) ²
BBL Company V.O.F.	16	2006	20
Nord Stream AG ³	55	2011/2012	15.5
OPAL	36.5	2011	20
Trans Adriatic Pipeline AG (TAP) ³	10	2019	9

1. As of December 31, 2013.

2. Share held not correlating to potential capacity booking

3. Held indirectly via PEG Infrastruktur AG, Zug, Switzerland



Germany

Distribution – Sales – Distributed Energy



Germany – Business snapshot

- The segment groups activities in the fields of power & gas distribution networks, sales and distributed energy solutions in Germany
- Distribution: leading player in the German distribution grid landscape with four network companies E.ON Hanse, e.dis, avacon and bayernwerk
- Sales: E.ON Energie Deutschland is a leading partner for power, gas and energy services throughout Germany
- Distributed energies: main focus on district heating, mini-midi and industrial CHP



- 2010-2013 EBITDA





Market overview - Power



– Key figures power market -

	E.ON shareholdings ^{1,3}	Overall market ²
Power supplied	160.4 billion kWh	590 billion kWh
Customers	5.26 million	45.4 million
Generation output (Oil/gas, hydro, renewables, waste)	1.3 billion kWh	-

As of December 31, 2013.
 BDEW, preliminary figures 2013.
 Consolidated shareholdings >50.0 percent

Market overview - Gas



– Key figures gas market¹ -

	E.ON shareholdings ^{1,2}	Overall market ³
Gas supplied	474.1 billion kWh	1,152 billion kWh
Customers	0.86 million	21.14
Gas demand	-	956 billion kWh

1. 2013. Source: preliminary figures 2013, BDEW.

1. As of December 31, 2013.

2. Consolidated shareholdings >50.0 percent.

3. BDEW, preliminary figures 2013.

4. Domestic and non-domestic customers. Non-domestic customers are equivalent to number of dwellings supplied with natural gas for heating
Activities in power and gas distribution

– E.ON's German power and gas distribution system



– Major shareholdings¹ -

	Interest (%)
E.ON Hanse AG	68.0
E.DIS AG	65.5
Avacon AG	63.3
Bayernwerk AG	100.0

- Key data gas 2013 -

Network length	59,000 km
Market share (based on network length)	~14%
Gas Vol. Grid Conduct (TWh)	104 TWh

– Key data power 2013

Network length	352,000 km
Market share (based on network length)	~19%
Electricity Vol. Grid Conduct (TWh)	114 TWh
Network quality (SAIDI) ²	27min

1. As of December 31, 2013.

2. SAIDI: The "System Average Interruption Duration Index" is the average outage duration for each customer served per year

Regulation – General basics

- Process steps of regulatory system





Regulation – Regulatory schedule



- Comments

- Cost of base year 2011 is basis for allowed revenues from 2014 onwards
- Regulatory cost audit and benchmarking took place from mid 2012 to end 2013
- Replacement investments in the years 2012 to 2016 are reflected in allowed revenues partly from 2019 onwards
- Benefits from performance measures effective in the years 2012 to 2018 can be kept until 2019



Regulation – Cost base





Activities in the sales market



– Major shareholdings¹ -

	Interest (%)
E WIE EINFACH GmbH	100.0
E.ON Energie Deutschland GmbH	100.0

- Energy solutions -

E.ON offers new services and innovative solutions e.g.

- photovoltaik
- smart meter
- smart home
- e-mobilit,
- EEG-Direktvermarktung
- Demand Response Management





Other EU Countries

U.K. – Sweden – Italy – Spain – France – Netherland – Hungary – Czechia – Slovakia - Romania



Other EU Countries – Business snapshot

- Other EU Countries include the power & gas distribution networks, sales, and distributed energy solutions businesses in 10 EU countries outside Germany
- Significant market share of up to 60% in some distribution markets
- 9m network customers, 431,000 km of power distribution networks in 6 countries, 44,000 km of gas distribution networks in 4 countries
- 18m sales customers in 10 countries





eon

79

E.ON U.K.

Market overview - Activities



Market Overview - Power

– Power market structure¹ –



Involvement of regional unit U.K.
No involvement of regional unit U.K.

– Key figures power market¹ –

	E.ON shareholdings	Overall market
Power supplied (excl. power market)	49.7 billion kWh 3	305 billion kWh
Residential Customer Accounts ²	4.4 million	27.1 million
CHP power volume	1.0 billion kWh	-

– Power customer accounts³ -



– U.K. sales by customer segment ^{1,4} -

Power	2013	2012	+/- %
Power residential and SME	26.9	27.6	-3
Power I&C	22.8	21.9	+4
Power market sales	1.0	1.4	-29
Total	50.7	50.9	-

1. As of December 31, 2013, see also point 2 below

2. Power Accounts only, customer accounts market data from 31/10/13

3. Excludes I&C as customers measures by volume consumption not number

4. Billion kWh.

2. CHP activities only, as at end of 31.12.2012

Market Overview - Gas

– Gas market structure -



Operating sites

– Key figures power market¹ –

	E.ON shareholdings	Overall market
Gas Supplied	66.3 billion kWh	588 billion kWh
Residential Customer Accounts ²	2.9 million	22.5 million

- Power customer accounts³ -



– U.K. sales by customer segment ^{1,4} -

Gas	2013	2012	+/- %
Gas residential and SME	52.2	53.5	-2
Gas I&C	14.1	14.1	-
Gas market sales	0.0	0.0	-
Total	66.3	67.6	-2

1. As of December 31, 2013, see also point 2 below

- 2. Gas Accounts only, customer accounts market data from 31/10/13
- 3. Excludes I&C as customers measured by volume consumption not number
- 4. Billion kWh.

Activities in the retail market



– Major shareholdings –

	Interest (%)
n/a	n/a
n/a	n/a

- Other activities -

- Smart metering: on track to deliver one million smart meters by the end of 2015
- Community energy:
 - Market leader in the UK for the development of decentralized community energy schemes
 - Primarily focused on district heating solutions, low carbon heat, and hot water
- Obligation delivery: committed to delivering the UK government mandated energy saving



E.ON Sweden

Market overview – Activities



Market overview - Power

Power market structure -



No involvement of regional unit Sweden

1. As stated on Nordpool – includes whole Nordpool market (i.e. Nordic countries + Estonia +Lithuania) 2. Nord Pool Spot and company websites. / 3. Nord Pool Spot website and Nordic Energy Regulators 4. Nordic Energy Regulators

Key figures power market¹ -

Sweden	E.ON shareholdings 2013	Overall market 2012
Power supplied Customers	14.8 billion kWh 0.8 million	142.2 billion kWh² 5.2 million²
Denmark	E.ON shareholdings 2013	Overall market 2012
Power supplied Customers	0.1 billion kWh 22⁵	33.8 billion kWh ³ 3.2 million ⁴
Finland ⁷	E.ON shareholdings 2013	Overall market 2012
Power supplied Customers	1.1 billion kWh	82.2 billion kWh ⁶ 3.1 million ⁶

 E.ON shareholdings preliminary numbers as of 31 December, 2013; Overall market as of December 31, 2012. "Customers" correspond to Retail Customers

- 2. Swedish Energy Market Inspectorate and Nordic Energy Regulators
- 3. Danskenergi.dk
- 4. Danish Energy Association 2011 figures only
- E.ON in Denmark has no retail customers, only business customers. Average value during 2012
- 6. Finnish Energy Industries and Finnish Energy Market Authotity
- 7. Finland-activities have been sold; effective from 29.08.2013

Market overview - Gas



Key figures gas market¹

Sweden	E.ON shareholdings 2013	Overall market 2012
Gas supplied Customers	2.9 billion kWh 12.300	12.9 billion kWh² 37.000²
Denmark	E.ON shareholdings 2013	Overall market 2012
Gas supplied Customers	0.4 billion kWh 20 ⁴	43.5 billion kWh ³ 400.000 ³
Finland	E.ON shareholdings 2013	Overall market 2011
Gas supplied	0.2 billion kWh	39.5 billion kWh ⁵
Customers	76	35.000⁵

1. E.ON shareholdings preliminary numbers as of 31 December, 2013; Overall market as of December 31, 2012.

- 2. Statistics Sweden (scb.se) and Swedish Energy Markets Inspectorate
- 3. Danish Energy Agency and Dansk Gasteknisk Center

4. Average value during 2012

- 5. Finnish Gas Association
- 6. Numbers from end of 2011

Nordic Energy Perspectives. 5. Energinet.dk. 6. ERGEG (Denmark 2011). 7. Gasmarkedet i Danmark.
 Gasum. 9. ERGEG (Finland 2011), figures from end of 2010.

1. Swedish Energy Markets Inspectorate. 2. Swedegas. 3. Company's home pages.

Activities in the power and gas distribution market





Regulation at a glance - Regulation competencies

- Regulatory Authority -

Authority:Energimarknadsinspektionen (EI)Website:www.ei.seSupervisor:Ministry of Enterprise, Energy &
Communications

Competencies

- Set revenue caps
- Decide on concessions
- Market monitoring
- Investigations and reports
- Implement changes in energy act

- Main Iaws -

- Ellagen (1997:857) Energy act
- Förordningen 2010:304 Regulation ordinance

- Political authorities -

Secretary of Energy and Enterprises

- Proposes energy act
- Overall market and regulatory strategy

Price Regulated Parts of the Energy chain

- RES generation
- Transmission
- Distribution



Other EU Countries - Sweden

Regulation at a glance - Price regulation of distribution

Δ

Price Regulation Power - Overview

- Method: revenue cap
- Regulation period: 2012-2015
- Basics Next regulation period: 2016-2019
 - Old photo year: 2006-2009 •
 - Regulatory formula for initial year: Rbase = OPEX + annuity
- Cap formula Regulatory formula for adjustment: Rt = Annuity + Cnc + Cc x (1 - X)
 - Transition formula (1st period):
 - R2012 = R2010x 2/3 + Rt x 1/3 except nc cost

Price Regulation Power – Other important factors

- Quality factor with +-3% revenues based on unplanned and planned SAIDI & SAIFI values (HV: ENS)
- Major penalty schemes for long duration outages (>12h) effectively hitting up to 10% of EBITDA

Price Regulation Power – Key cost factors

- RAB valued from standard costs for full replacement values
- Regulated return on RAB (pre-tax): 5.2%
- Revaluation for all assets at currently 3.6% based on Х Ц CAP a building cost index (Ø07-11)
 - CAPEX annuity is used to cover depreciation + return, assumed depreciation is 40 years
 - Full compensation for incremental investments (exception from transition rule)
- General efficiency factor: 1 % ХШ
 - Inflation factor for OPEX is a distribution specific index: 3.2% (Ø07-11)



Regulation at a glance - Quality regulation

Quality regulation

Quality adjustment within the ex ante model

Quality factor with +-3% revenues based on unplanned and planned SAIDI & SAIFI values (Regional grid: ENS). Within the regulation model.

Outage fees

Major penalty schemes for long duration outages (>12h). Outage fee effectively hitting up to 10% of EBITDA, in fact no limit.

Risk & Vulnerability Analysis

Shortcomings are supposed to be identified and customers and regulator to be informed. Actions are expected when necessary to enhance the reliability.

Functional demands

Outages longer than 24 hours are forbidden. Breaches of this requirement will result in that EI require supplementary investments or reduced revenue caps. Furthermore it opens the possibility of individual customers pursuing damage claims against the company.

- Quality of supply (voltage level, dips, flicker, ...)
- Security of supply

Maximum of three interruptions per customer and year.



Sweden – Natural gas market



- Key facts

- Gas represents 7 percent of total energy supply in the Nordic region, while at the national level, it comprises somewhat 2 percent of Sweden's total energy supply¹
- The 390 km national gas transmission pipeline is owned by Swedegas AB, who also owns, operates and maintains a regional high-pressure gas pipeline with a length of 230 km
- E.ON Sverige owns low-pressure gas distribution pipeline with a length of 1,983 km
- In 2011, E.ON Sverige sold its underground gas storage facility in Skallen to Swedegas, with a working capacity of 8.75 million m3 and a maximum withdrawal rate of 40,000 m3/hour.
- In 2013, E.ON Sverige transported a total of 6 TWh of gas through its gas pipeline system.



Acvitivities in the district heating market



– District heating market (TWh) -



– E.ON's district heating activities in Sweden 7

- #2 on the Swedish district heating market (in volumes 2012)
- Approximately 40 district heating networks
- 6.8 TWh heat delivery in 2013
- 25,000 customers
- 32,000 connections



1. Number 1 is Fortum with approximately 8 TWh and Vattenfall is number 3 with approximately 4 TWh.

Activities in the retail market



– Major shareholdings¹ –

	Interest (%)
Oskarshamn Energi AB	50,0%
Elverket Vallentuna AB	43,4%
Kalmar Energi Försäljning AB	40,0%

- Energy solutions -

Energy efficiency service and products

- · Visualization services of the energy consumption
- Consultation services
- Energy optimization products
- **Decentralized Energy solutions**
- Solar Power
- Combined heating and cooling solutions

Smart mobility

- Charging points for vehicles
- Vehicle gas
- E-bikes/E-scooters



E.ON Italy

Market overview – Activities



Market overview - Power



– Key figures power market -

	E.ON shareholdings ¹	Overall Market ²
Power supplied	7.2 billion kWh	264 billion kWh
of which free market	7.2 billion kWh	189 billion Kwh
Customers	0.19 million	36.6 million
of which free market	0.19 million	8.7 milion



1. 2012 figures, based on the report of the Regulatory Authority (AEEG) 2013, AEEG website data,

TSO (TERNA) and Power Market management company (GME) For involvement in generation activities refer to parts Generation and Renewables 1. As of December 31, 2013

2. 2012 figures, based on the report of the Regulatory Authority (AEEG) 2013.

Market overview - Gas



– Key figures power market

	E.ON shareholdings ¹	Overall market ²
Gas supplied	12.5 billion kWh	660 billion kWh ³
Customers	0.60 million	21.0 million

- 1. Majority shareholdings as of December 31, 2013
- 2. 2012 figures, based on the report of the Regulatory Authority (AEEG) 2013
- 3. Total Italian demand excluding self consumption

Activities in the retail market



– Shareholdings¹ –

	Interest (%)
E.ON Energia SpA	100.0%
Somet	60.0%
GEI SpA	48.9%
Amga - Azienda Multiservizi Spa	21.9%

- Energy solutions -

- Energy efficiency audit for I&C and SME customers
- White certificate (WhC) collection and management for I&C customers
- Efficient lighting management services for I&C
- Rooftop PV for SME and private households
- Market tests in solar thermal, energy storage for private households, and energy efficient buildings for SME



E.ON Spain

Market overview – Activities



Market overview - Power



- Key figures power market ¹

	E.ON Shareholdings	Overall Market ²
Power supplied	6.8 TWh	248.9 TWh
Customer Accounts	620,586	27,504,000

1. As of December 31, 2013

2. As of December 31, 2012 (2013 figures still not available). Power supplied in Overall market related to the available energy in the Distribution Grid on Mid-Voltage and Low-Voltage level in the Spanish market.



Market overview - Gas



- Key figures gas market¹ -

	E.ON Shareholdings	Overall Market ²
Gas supplied	5.6 TWh	361.6 TWh
Customer Accounts	27,905	7,398,013



1. As of December 31, 2013

2. As of December 31, 2012 (2013 figures still not available)

Activities in the retail market







Activities in the distribution market

E.ON's power distribution	system in Spain ₇
Key data 2013	· • • • •
Network length	32,052
Market share (based on network length)	1
Electricity Vol. Grid Conduct (TWh)	6.2
Network quality (SAIDI) ⁽¹⁾	73.79

– Shareholdings power market¹ ·

100.00% 54.95%	



Regulation at a glance - Regulation competencies

- Regulatory Authority –

Authority: Comisión Nacional de los Mercados y la Competencia Website: www.cnmc.es

Supervisor: Ministry of Economy

Competence

- Proposes access rules
- Proposes tariffs and regulated activities remuneration
- Proposes unbundling rules
- Proposes investment planning rules
- Proposes quality standards
- Antitrust Body

- Main Laws

- Law 54/1997 Power act (Under Review)
- Royal Decree 222/2008 Distribution Remuneration regulation (old framework)
- Royal Decree 9/2013 Transition Regulatory Framework
- Royal Decree 1955/2000 Distribution activity rules
- Royal Decree 1110/2007 Metering regulation
- Open process to approve new regulation:
 - New Distribution Remuneration scheme
 - New Supply regulation

– Political authorities -

Authority: Secretary of Energy (Ministry of Industry, Energy & Tourism) Website: www.minetur.es

Competence

- Issues sector regulation.
- Sets grid tariffs
- Sets regulated activities remuneration
- Approves licenses and authorizations
- Issues sanctions

- Price Regulated Parts of the Energy chain

- Generation (RES, domestic coal and Capacity Payments)
- Transmission
- Distribution
- Last Resort Supply (below 10 kW)



Other EU Countries - Spain

Regulation at a glance - Power distribution

Regulation Power - Overview -Method: revenue cap Transition Framework: 2013 & 2014 based on historical remuneration

- 2013 Remuneration specific calculation:
 - Until 07/2013: 2012 remuneration + investment recognition (year n-2)
 - From 07/2013: Adjustment with new financial rate.
- 2014: 2012 Investments recognition
- No asset based-RAB defined.
- Next regulatory framework (not approved under consultation process): 2015-2019
 - Asset based RAB to be defined for each DSO.
 - Photo year: 2013
- Cap form<u>ula</u> **Remuneration Annual Review (transition):** $R_{t} = D + (RAB \times RR) + OPEX * (1+PI_{t-1}) + Q_{t-1}$ Others: remuneration for distribution commercial management activities and specific bonuses.

Overview

Basics

- Energy Reform launched in July'13 in order to tackle the tariff deficit issue in Spain and review system regulated costs.
- 2013 & 2014 transition regulatory scenario approved. New Regulatory scenario expected to be approved in Jan-Feb'14

Regulation Power – Key cost factors 2013 & 2014 Transition Period Financial Remuneration Rate '13

Next Regulatory Framework CAPEX factors to be defined

Regulation Power–Other important factors -

- Q: Grid losses and Quality Bonus previous system (under review):
 - Grid losses vs. individual losses target at a loss-energy price and added to remuneration. ±2% remuneration cap
 - Quality target set and used as reference. Incentive may turn in a bonus or penalty up to ±3% of global income.
- RES Investments: DSO is obliged to attend RES investments requests, however RES investments are paid to the DSO by RES producers. Percentage of network financed by RES producers is to be included to define a gross RAB and a net RAB.





E.ON France

Market overview – Activities



Market overview - Power

- Power market structure¹ -



– Key figures power market¹ –

	E.ON Shareholdings	Overall market
Power supplied	9.1 TWh	430 TWh
Customer Accounts	137 ²	35.3 million



Market overview - Gas



– Key figures gas market¹ -

	E.ON shareholdings	Overall market
Gas supplied	2.7 TWh	520 TWh
Customers	402 ²	11.4 million



Activities in the retail market



- Shareholdings¹ —

Interest (%)
100.00
100.00

- Energy solutions -

- Demand side management: service to industrial customers to manage and optimize the flexibility in their consumption (e.g. by interrupting production processes) -> reducing overall energy costs for customers
- Service for hydro generators providing them with optimized power purchase offers and aggregating one third of the capacities available on the market


E.ON Netherlands

Market overview – Activities



Market overview - Power



– Key figures power market² -

	E.ON shareholdings	Overall market
Power supplied	11.6 TWh	183 TWh
Customers	167,943	13.7 million

 As of December 31, 2013 (excluding grid losses , consumption of distributors and wholesale market & Energy Trading)
 Including Belgium.

Market overview - Gas



No involvement of regional unit Netherlands

– Key figures gas market^{1,2} –

	E.ON shareholdings	Overall market
Gas supplied	5.0 TWh	406 TWh
Customers	181,308	10.2 million

1. As of December 31, 2013 (excluding grid losses , consumption of distributors and wholesale market & Energy Trading)

111

Activities in the retail market



- Shareholdings¹ -

	Interest (%)
E.on Benelux Levering B.V.	100%
E.on Belgium N.V.	100%

- Energy solutions -

- Real time monitoring of energy consumption and remote
 on/off switching of electrical appliances for private households
- Real time monitoring of energy consumption and costs for business customers
- Efficient lighting solutions for business customers
- Technical building service subscriptions
- Sale & installation of solar panels for private households and business customers
- Extensive energy efficiency services for private households and business customers





Market overview – Activities



Market overview - Power

- Power market structure¹ -

Generation¹

MVM, GDF Suez and RWE account for ~80% of the market E.ON Hungary account for ~1 % of the market

Trading

E.ON Global Commodities, MVM Trade

Transmission

MAVIR (MVM affiliate)

Distribution

6 operators

E.ON: E.ON Dél-dunántúli Áramhálózati Zrt., E.ON Északdunántúli Áramhálózati Zrt., E.ON Tiszántúli Áramhálózati Zrt. Others: ELMŰ (RWE), ÉMÁSZ (RWE), DÉMÁSZ (EDF)

Retail

165 retaliers. E.ON: E.ON Energiaszolgáltató Kft., E.ON Energiakereskedelmi Kft. (from 01.01.2014.) Other major players: DÉMÁSZ Zrt. (EDF), ELMŰ-ÉMÁSZ (RWE), MVM, T-COM

- Involvement of regional unit Hungary
- No involvement of regional unit Hungary

– Key figures power market¹ –

	E.ON Shareholdings	Overall market
Power supplied ¹	11.7 TWh	35.2 TWh
Customer Accounts ²	2.5 million	6.9 million



Market overview - Gas



– Key figures gas market¹ -

	E.ON Shareholdings	Overall market
Gas supplied	9.1 TWh	87.2 TWh
Gas supplied Customers ²	0.6 million	3.4 million



Activities in the power distribution market

E.ON's power distribution system ———		
Majority shareholdings		
Key data 2013		
Network length (km)	83 871	
Market share (based on network length) (%)	51,9 %	
Electricity Vol. Grid Conduct (TWh)	15,4	
Network quality (SAIDI)(min) ¹	191	

SAIDI: The "System Average Interruption Duration Index" is the average outage duration for each customer

- Shareholdings power market¹

Interest (%)

Electricity Vol. Grid Counduct

44,9



served per year.

Activities in the gas distribution market



- Shareholdings gas market¹

Interest (%)

Gas Vol. Grid Counduct

18,6



Regulation at a glance - Regulation competencies

- Regulatory Authority -

Authority: Magyar Energetikai- és Közmű-Szabályozási Hivatal Website: www.mekh.hu

Supervisor: Ministry of National Development (MND)

Competencies

- Issues licenses
- Monitors and sanctions access rules
- Sets grid fees based on asset & cost review
- Sets quality standards

- Political authorities -

Ministry of National Development

- Proposes energy acts
- Proposes executive decrees
- Proposes RES support decree
- Set connection fees
- Set grid fees' regulation framework

- Main laws for power -

- Act LXXXVI. of 2007- Energy act
- Decree No 273/2007 Executive decree
- MND Decree No 76/2011– Grid access
- MND Decree No 64/2013– Grid fees' regulation framework for period 13/16
- MEKH Decree No 4/2013 Framework of setting and implementation of grid fees
- Decree No 389/2007 RES support
- Act LIV. of 2013 on the Application of Utility Price Cuts
- Act CLXXXVIII. of 2013 on Common Utility Bill Layout

- Price Regulated Parts of the Energy chain

- RES generation
- Power and heat (CHP) generation
- Transmission
- Distribution
- USP sales



Other EU Countries - Hungary

Regulation at a glance - Price regulation of distribution



Unplanned SAIDI, SAIFI and an outage rate min. level defined. 3-fold sanctions possible if non

compliant in 3-years average.



Other EU Countries – Hungary

Regulation at a glance - Price regulation of distribution

EX

PEX

 $\overline{\bigcirc}$

Price Regulation Gas - Overview

- Method: price cap
- Basics Regulation period: 2010-2013 period is extended till 2016 or until further regulatory change
 - Next regulation period: unknown
 - Regulatory formula for initial year: Rbase = OPEX + D + (RAB x RR)
- Network Loss is no more an eligible cost for gas **DSOs**
- Cap formula Regulatory formula for adjustment: Rt = Rbase x (1 + CPI*H-5%, if CPI*H>5%)H: correction factor for estimating fault
 - Note: R is divided by volume as price is set

Price Regulation Gas – Key cost factors

- Regulated return on RAB (pre-tax):
 - different for USP and competitive market. WACC
- USP: 0%; competitive: 8.29%
- AP Revaluation for all assets at currently 5.5% based on construction indexes
 - Depreciation period for lines is 40 years
 - No efficiency factor
 - Indexation if acknowledged inflation exceeds 5% (+0,25% in 12/13 gas year)

Price Regulation Gas – Other important factors

Quality regulation on outages: complex index (of consumers affected and length of outage), index on outage length, and index on the number of outages.



Activities in the retail market



Majority shareholdings

⁻⁻ Key data 2013 ⁻⁻

E.ON regulated USP business operates on E.ON DSOs area

E.ON competitive business has countrywide operation

– Shareholdings¹ –

	Interest (%)
Power competitive market	34
Gas competitive market	6
Power regulated market	45
Gas regulated market	17

- Energy solutions -

- Smart metering (pilot project)
- E.ON "HomeAngel" Insurance for household customers
- Solar project (photovoltaic distributed energy)
- E-mobility: installing charging stations





Market overview – Activities



Market overview - Power



– Key figures power market¹ –

	E.ON shareholdings	Overall Market ²
Power supplied ¹	10.0 billion kWh	53.1 billion kWh
Customer Accounts ³	1,194,000	5,842,000

 As of December 31, 2013, netto supply (excluding grid losses, consumption of distributors and wholesale market & Energy Trading)



- 2. Data for Overall market estimated (for 2013 not yet available)
- 3. ncluding Industrial and commercial customers

Market overview - Gas



- Key figures gas market¹ -

	E.ON shareholdings	Overall market ²
Gas supplied ¹	17.2 billion kWh	87.9 billion kWh
Customers ³	630,000	2,857,000

 As of December 31, 2013, netto supply (excluding grid losses, consumption of distributors and wholesale market & Energy Trading)



- 2. Data for Overall market estimated (for 2013 not yet available)
- 3. Including Industrial and commercial customers

Other EU Countries - Czech

Activities in the power distribution market

– E.ON's power distribution system in CZ –



- Shareholdings power market¹

	Interest (%)
E.ON Czech Holding AG	100.0
E.ON Distribuce, a.s. (power and gas)	100.0
E.ON Energie, a.s. (power and gas)	100.0
E.ON Česká republika, s.r.o.	100.0
E.ON Trend s.r.o.	100.0
Teplárna Tábor, a.s.	51.0
E.ON Servisni, s.r.o.	100.0

Majority shareholdings

-- Key data 2013 ------

Network length (km)	65,629
Market share (based on network length) ¹	27.6 %
Electricity Vol. Grid Conduct (TWh)	12.7
Network quality (SAIDI) ²	313

e.on

1. Data for overall market estimated (for 2013 not available yet)

SAIDI: The "System Average Interruption Duration Index" is the average outage duration for each customer served per year

Activities in the gas distribution market



- Shareholdings gas market¹

	Interest (%)
E.ON Distribuce, a.s. (power and gas)	100.0
E.ON Energie, a.s. (power and gas)	100.0
E.ON Česká republika, s.r.o.	100.0
Prazská Plynárenská, a.s. (gas)	49.0



Regulation at a glance - Regulation competencies

- Regulatory Authority -

Authority:	Energetický regulační úřad (ERÚ)
Website:	www.eru.cz
Supervisor:	President of the Czech Republic
Competencies	5

- Issues licenses
- Monitors and sanctions access rules
- Sets tariffs
- Sets quality standards
- Competition support in energy sector

- Main laws -

- Act No. 211/2011 Energy act
- Public notice 140/2009 Regulation ordinance
- Public notice no. 51/2006 grid access ordinance
- Act No. 165/2012 RES support act

- Political authorities -

Secretary of Industry and Trade

- Proposes energy act
- Proposes RES support act
- Proposes State Energy Concept

Price Regulated Parts of the Energy chain

- RES and CHP generation
- Transmission
- Distribution
- USP sales



Other EU Countries - Czech

Regulation at a glance - Price regulation of distribution

Х Ш

Price Regulation Power - Overview

- Method: revenue cap
- Regulation period: 2010-2014 (3rd)
- Next regulation period: 2015-2019 (4th)
- Basics Next photo year: 2012/13 (note that this based on past photo years, the laws do not provide an explicit photo year
 - Regulatory formula for initial year: Rbase = OPEX + D + (RAB x RR)
- Cap formula Regulatory formula for adjustment: $Rt = OPEX \times (1 + PI - X)t + D + (RAB \times RR)$
 - Radjusted = Rt x k + Rt-1 x $(1 k) \pm Z + KF + Q$

Price Regulation Power – Key cost factors

- Regulated return on RAB (pre-tax): 6.7%
- Revaluation for old assets at 3% (starting 2015) until CAPEX revaluated CZ GAAP values met (not vet confirmed for new regulatory period) - currently at risk
 - Depreciation period for lines is 40 years
 - General efficiency factor: 2.0 %
 - Individual efficiency factor: 0 for 3rd regulation period
- ЧC Inflation factor for OPEX is 70% business service price index + 30% (CPI+1%)

Price Regulation Power – Other important factors

- Quality factor applied since 2013
- Customer contributions (BKZ) add to the RAB, 80% of the BKZ release is deducted from network fees



Other EU Countries - Czech

Regulation at a glance - Price regulation of distribution

Price Regulation Gas - Overview

- Method: revenue cap
- Regulation period: 2010-2014 (3rd)
- Next regulation period: 2015-2019 (4th)
- Basics Next photo year: 2012/13 (note that this based on past photo years, the laws do not provide an explicit photo year
 - Regulatory formula for initial year: Rbase = $OPEX + D + (RAB \times RR)$
- Cap formula Regulatory formula for adjustment: $Rt = OPEX \times (1 + PI - X)t + D + (RAB \times RR)$

Price Regulation Gas – Key cost factors

- Regulated return on RAB (pre-tax): 7.1%
- Revaluation for old assets at 3% (starting 2015) until CAPEX revaluated CZ GAAP values met (not vet confirmed for new regulatory period) - currently at risk
 - Depreciation period for lines is 40 years
 - General efficiency factor: 2.0 %
 - Individual efficiency factor: 0 for 3rd regulation period
- OPEX Inflation factor for OPEX is 70% business service price index + 30% (CPI+1%)

Price Regulation Power – Other important factors

Quality factor currently not applied



E.ON Slovakia

Market overview – Activities



Market overview - Power



– Key figures power market -

	E.ON shareholdings ¹	Overall market ²	
Power supplied	6.3 TWh	28.8 TWh	
Customers	0.89 mil.	approx. 2 million	

- Shareholdings power retail market¹

Interest (%)

ZSE Energia, a.s.

49%



1. As of December 31, 2013

2. Data for Overall market are estimations as final data for 2013 are not yet available.

Market overview - Gas



Key figures gas market -

	E.ON shareholdings ¹	Overall market ²
Gas supplied	0.75 TWh	53 TWh
Customers	0.03 mil.	approx. 1.5 million

Shareholdings gas retail market¹

Interest (%)

ZSE Energia, a.s.

49%

No involvement of regional unit Slovakia



1. As of December 31, 2013

2. Data for Overall market are estimations as final data for 2013 are not yet available

Activities in the power distribution market



- Shareholdings power distribution market¹

Interest (%)

Západoslovenská distribučná, a.s.

49%

Data are estimations as final data for 2013 are not yet available

SAIDI: The "System Average Interruption Duration Index" is the average outage duration for each customer served per year

Regulation at a glance - Regulation competencies

- Regulatory Authority -

Authority: Úrad pre reguláciu sieťových odvetví (ÚRSO) Website: www.urso.gov.sk Supervisor: President of the Slovak Republic Competencies

- Issues licenses, sample grid code for DSOs, sample business conditions for HH & SME supply for Suppliers
- Sets and approves access and market rules
- Sets tariffs & regulation decrees
- Sets quality standards

- Main laws

- Act on Regulation in Network Industries (250/2012 Coll.)
- Act on Energy (251/2012 Coll.)
- Act on RES & CHP Support (309/2009 Coll.)
- Price Decree (221/2013 Coll.)
- Market Rules (317/2007 Coll.)

- Political authorities -

Ministry of Economy

- Proposes the primary legislation (Act on Energy, Act on Regulation in Network Industries, Act on RES & CHP support)
- Imposes the obligations within the general economic interest

Price Regulated Parts of the Electricity chain 1

- RES & high efficient CHP generation, domestic coal generation
- Transmission
- Distribution
- USP sales (HH, SME < 30 MWha)
- SLR (for all consumers)
- Provision of ancillary services



Other EU Countries - Slovakia

Regulation at a glance - Price regulation of distribution

Ж

CAPI

- Price Regulation Gas - Overview

Method: price cap

Basics

Cap formula

- Regulation period: 2012-2016
- Next regulation period: 2017+
- Next photo year: 2015
- Regulatory formula for initial year:
- Rbase = OPEX + D + (RAB x RR)
- Regulatory formula for adjustment: Rt= OPEXbase x (1+PI-X)t + Dbase + ΔD + RABbase x RR x Q – F*
- Note: R is divided by volume as price is set

Price Regulation Gas - Key cost factors -

- Regulated return on RAB (pre-tax): revaluated annually (6,04% for 2012 and 2013, 6,03% for 2014)
- RAB: depreciated asset base based on external value appraisal of 2005 YE assets and investments & depreciation since 2006 at the start of the regulatory period (time lag)
- Depreciation period for lines is 30 (LV) 35 years (MV, HV)
- General efficiency factor: 3.5%
- Inflation factor for OPEX is core inflation, however escalation index (1+core inflation – X) can not be below 1,0

Price Regulation Power – Other important factors

 Automatic compensations for violated quality standards towards customers applied from 1 January 2014 (i.e. customers are compensated automatically by DSOs / Suppliers without any request for the compensations)



Activities in the retail power and gas market



- Shareholdings power market¹

Interest (%)

ZSE Energia, a.s.

49%

- Energy solutions -

- Dual commodities offer
- Energy efficiency Improve customer loyalty and satisfaction through wider product portfolio
- Value added Services as energy consulting, public lighting, heating (climate-friendly technology), energy certificates, special services for municipalities, etc.
- Customer Data Management



E.ON Romania

Market overview – Activities



Market overview - Power

Power market structure -

Generation

- Main active operators: Hidroelectrica SA, Nuclearelectrica SA, CE Oltenia, OMV Petrom, CE Hunedoara, Elcen, Enel Green Power, Others
- Overall 2012: Solid fuel (37.6%), Hydro (22.2%), Nuclear (19.6%), Gas (14.3%), Wind (5.3%), Other RES (0.4%)
- Às of July 2013: Hydro (34%), Solid (26.6%), Nuclear (22.1%), Gas (12%), Eolian (5.3%)

Transmission

 1 operator: Transelectrica S.A. (approx 58.7% state-owned, 41.3% Others): Balancing Market Operator;

Day Ahead Market

 1 operator: OPCOM S.A. - Operator of the Green Certificates Market, Bilateral Contracts Market and Settlement Administrator;

Trading

- E.ON Global Commodities SE
- Others: CEZ Trade Romania, CEZ as, ENEL Trade Romania, OMV Trading, RWE Supply Trading, Iberdola, Electrica, Alpiq Energy SE

Distribution

- E.ON Moldova Distributie S.A.;
- Others: CEZ Distributie, ENEL Distributie (3 distribution areas), Electrica Distributie (state owned, 3 distribution areas)

Retail

- E.ON Energie Romania SA [Jan-Aug 2013 market share: A. final customers (8.21% from 29.11 TWh), B. regulated market (12.56% from 12.837 TWh), C. competitive market (4.78% from 16.273 TWh)]
- Others: CEZ Vanzare, ENEL Energie Muntenia, FFEE Electrica Furnizare Muntenia Nord/ Transilvania Sud/ Transilvania Nord (state- owned), Alro, Alpiq RomEnergie, CE Oltenia
- Involvement of regional unit Romania
- No involvement of regional unit Romania

– Key figures power market¹

	E.ON shareholdings ¹	Overall market ²
Power supplied Customers	3.6 TWh 1.4 million	29.37 TWh n/a

1. As of 31.12.2013 (IFRS), netto supply (excluding grid losses consumption of distributors and wholesale market & Energy Trading)



2. Period Jan-Aug 2013 (ANRE's market monitoring report August 2013)

Market overview - Gas

Gas market structure

Production

- Overall 2012: domestic production (75.7%), import (24.3%);
- Domestic production: 6 producers, Romgaz (50.1%) + OMV Petrom (47.3%) account for 97.4% of domestic production (Romgaz – 70% state owned, Others 30%)
- As of September 2013, significant domestic production (88.4%) and natural gas import (11.6%);

Storage

• 2 operators: Romgaz and Depomures (GDF propriety)

Transmission

• 1 operator: Transgaz S.A. (58.50% state-owned, 41.49% Others);

Distribution

- E.ON Gaz Distributie S.A.
- 41 operators (& suppliers for the regulated market) (E.ON & Distrigaz Sud the biggest, Others: Congaz,

Retail

Regulated market 2012 (41 retailers)

- E.ON Energie Romania S.A. (40.3% out of 52.6 TWh);
- Others: GDF Suez Energy Romania (50.1%), Congaz (1.8%), Intergaz (1.03%)
- Competitive market 2012 (43 retailers)
- E.ON Energie Romania S.A. (6.7% out of 78.9 TWh);
- Others: OMV Petrom Gas (22.7%), Interagro (20.5%), Romgaz (20.1%), GDF Suez Energy Romania (7.6%)
- Wholesale market 2012 (32 wholesalers)
- E.ON Energie Romania S.A. (3.1%);
- Others: Romgaz (29.8%), OMV Petrom (23.4%), OMV Petrom Gas (20.2%), Arelco Power (3.9%), Wiee Romania (3.9%)
- Involvement of regional unit Romania
- No involvement of regional unit Romania

– Key figures gas market

	E.ON	Overall
	shareholdings ¹	market ²
Gas supplied	25.2 TWh	92.0 TWh
Customers	1.6 million	n/a

 As of 31.12.2013 (IFRS), netto supply (excluding grid losses consumption of distributors and wholesale market & Energy Trading)



 ANRE official website (market monitoring reports – Average figures for the period Jan-Sept 2013)

Activities in the power distribution market



- Shareholdings power market¹

Interest (%)

E.ON Moldova Distributie SA

51%



SAIDI: The "System Average Interruption Duration Index" is the average outage duration for each customer served per year

Activities in the gas distribution market



Chara	hala	linaa	~~~	morl	
– Share		iiiiys	yas	IIIar	ler.

Interest (%)

E.ON Gaz Distributie SA

51%



Regulation at a glance - Regulation competencies

- Regulatory Authority -

Authority: Autoritatea Nationala de Reglementare in domeniul Energiei (ANRE) Website: www.anre.ro Supervisor: Parliament Competencies

- Sets access rules
- Approves tariffs/ monitors unbundling rules
- Approves investment planning rules/ sets quality standards

- Main laws

- Law 123/2012 Energy act
- Ord. 39 /2007 & 22/2012 Pricing methodologies

for Power & Gas Distribution

• Law 134/2012– RES support

- Political authorities -

Ministry of Economy

- Proposes energy act
- Sets energy strategy & policy

- Price Regulated Parts of the Energy chain

- Generation
- Transmission
- Distribution
- Gas storage
- USP sales (End-user prices)



143

Other EU Countries - Romania

Regulation at a glance - Price regulation of distribution

APEX

0

- Price Regulation Gas - Overview

Method: price cap

Basics

Cap formula

- Regulation period: 2008-2012 (2nd)
- Next regulation period: 2014-2018 (3rd) (2013 transitory year)
- Photo year: 2011/2012
- Regulatory formula for initial year:
 Rbase = OPEX + D + (RAB x RR)
- Regulatory formula for adjustment:
 Rt = Rbase x (1 + PI X + Q)t
 - Note: R is divided by volume as price is set

Price Regulation Gas – Key cost factors -

- Regulated return on RAB (pre-tax): 8.5%
- RAB: depreciated asset base based revaluated with inflation until reaching 95% of revaluated local GAAP
- Depreciation period for lines is 12 years for cables and 32 years for overhead lines
- General efficiency factor: 1.5%
- Inflation factor is CPI
- 9.5% grid losses recognized in 2012 & 13
- **Price Regulation Power Other important factors**
- Quality factor not active up to now

Other EU Countries - Romania

Regulation at a glance - Price regulation of distribution

PEX

A C

0

- Price Regulation Gas - Overview

Method: price cap

Basics

Cap formula

- Regulation period: 2008-2012 (2nd)
- Next regulation period: 2013-2017 (3rd)
- Photo year: 2011/2012
- Regulatory formula for initial year:
 Rbase = OPEX + D + (RAB x RR) + DV
- Regulatory formula for adjustment: Rt = Rt-1 x (1+PI-X) x GF+Q+(Vt-V0)+ΔINV Note: R is divided by volume as price is set, Adjustment formula obsolete

Price Regulation Gas – Key cost factors -

- Regulated return on RAB (pre-tax): 8.6%
- RAB: depreciated asset base based revaluated with inflation
- Depreciation period for pipes is 30 (steel)-40 years (PE)
- General efficiency factor: 1%
- Inflation factor is CPI
- 4% grid losses recognized in 2012

Price Regulation Power – Other important factors

Quality factor not active up to now


Activities in the retail market



- Shareholdings¹ –

E.ON Energie Romania

Interest (%)

51%

- Energy solutions -

- Technical consultancy for access to the distribution network
- Energy consulting: energy audit, E.ON Data, thermography





E.ON Russia

Surgutskaya – Yavinskaya – Shaturskaya – Smolenskaya - Berezovskaya



E.ON Russia – Business snapshot

- E.ON is the majority shareholder (83.7%) of E.ON Russia – shares are listed at MICEX Stock Exchange
- E.ON Russia is acting in the wholesale electricity market it generates and trades electric and heat power and supplies heat
- Highly efficient asset portfolio:
- 8.4 GW gas
- 1.5 GW coal







– 2010-2013 EBITDA

Location of generation assets





E.ON share

Generation assets

- E.ON Russia electric power stations¹ –

								Lion share			
		Shareholders	Fuel Type	Capacity	LUau laciol	Efficiency	Capacity payments:	%	Pro rata	Accounting	Start-up
				(net MW)	%	%	KOM 2013 ³	,,,	(MW)	(MW)	date
1	Surgutskaya GRES-2	E.ON	Gas	4,680	81	41	142 027	83,73	3,919	4 680	1985-1988
1	Surgutskaya GRES-2 (New build)	E.ON	CCGT	776	83	54	-	83,73	650	776	2011
2	Berezovskaya GRES	E.ON	Coal	1,509	71	38	163 705	83,73	1,263	1,509	1987-1991
3	Shaturskaya GRES	E.ON	Gas/coal/ peat/fuel oil	1,025	29	37	135 722	83,73	858	1,025	1971-1986
3	Shaturskaya GRES (New build)	E.ON	CCGT	383	73	53	-	83,73	320	383	2010
4	Yaivinskaya GRES	E.ON	Gas/coal	561	51	33	135 154	83,73	470	561	1963-1965
4	Yaivinskaya GRES (New build)	E.ON	CCGT	410	85	54	-	83,73	343	410	2011
5	Smolenskaya GRES	E.ON	Gas/coal/ peat	585	37	34	134 972	83,73	490	585	1978-1985
	Total			9,928	70	41		83,73	8,313	9 ,928	

- Generation output by power plant – Accounting view -

		•				
2013	2012	2011	2010	2009	2008	2007
39,850	39,967	38,828	36,623	35,21	34,408	34,406
10,020	10,738	11,082	9,288	9,425	10,821	8,529
5,311	5,185	5,893	4,112	3,636	5,002	4,911
5,784	6,345	4,854	3,84	3,955	4,234	4,296
2,030	1,966	1,809	1,928	1,722	2,212	2,099
62,995	64,202	62,467	55,791	53,948	56,676	54,241
1,044,900 ²	1,053,900 ²	1,040,400 ²	1,025,000 ²	972,4001	1,023,300 ²	1,015,893
	39,850 10,020 5,311 5,784 2,030	39,850 39,967 10,020 10,738 5,311 5,185 5,784 6,345 2,030 1,966	39,850 39,967 38,828 10,020 10,738 11,082 5,311 5,185 5,893 5,784 6,345 4,854 2,030 1,966 1,809	39,85039,96738,82836,62310,02010,73811,0829,2885,3115,1855,8934,1125,7846,3454,8543,842,0301,9661,8091,928	39,850 39,967 38,828 36,623 35,21 10,020 10,738 11,082 9,288 9,425 5,311 5,185 5,893 4,112 3,636 5,784 6,345 4,854 3,84 3,955 2,030 1,966 1,809 1,928 1,722 62,995 64,202 62,467 55,791 53,948	39,850 39,967 38,828 36,623 35,21 34,408 10,020 10,738 11,082 9,288 9,425 10,821 5,311 5,185 5,893 4,112 3,636 5,002 5,784 6,345 4,854 3,84 3,955 4,234 2,030 1,966 1,809 1,928 1,722 2,212 62,995 64,202 62,467 55,791 53,948 56,676

2. Rounded

3. Rubles per mWt per Month;



ENEVA

Generation - Exploration & Production



ENEVA – Business snapshot

- ENEVA is a Brazil based power generator and trading company on complementary business interest in natural gas exploration and production
- E.ON owns ~38% and performs joint control over the company
- 2.9 GW (gross) capacity with inflationprotected, long-term PPAs (2.4 GW in operation, 517 MW under construction)
- 1.5 GW attributable capacity added in 2013

- Revenue & EBITDA Q1-Q4 2013







Location of generation assets – ENEVA¹





Generation assets

- Power stat				Capacity		е		
	Fuel type	Shareholder s	Annual capacity payments ¹		%	Pro rata	Accounting	Start-up
In Operation		-	(R\$m/year)	(net MW)		(MW)	(MW) ³	date
Pecém I	Coal	ENEVA/EDP	598	720	50	360	-	2013
Pecém II	Coal	ENEVA	283	365	100	365	365	2013
Amapari	Diesel	ENEVA/ Eletronorte	-	23	51	12	23	-
Itaqui	Coal	ENEVA	316	360	100	360	360	2013
Parnaíba I	Gas	ENEVA/Petra	443	676	70	473	676	2013
Parnaíba III	Gas	ENEVA/Petra/ JV	98	176	52.52	92	-	2013
Parnaíba IV	Gas	ENEVA/Petra/ JV	-54	56	52.52	29	-	2013
Total in operation			1,311	2,376		1,691	1,424	
Under construction Parnaíba II	Gas	ENEVA	374	517	100	517	517	2014
Total			1,685	2,893		2,208	1,941	

L

2. ENEVA shareholdings, including 17.5% indirect stake through JV with E.ON

3. Accounting MW installed that affects ENEVA EBITDA.



Enerjisa

Generation – Distribution - Sales



Enerjisa – Business snapshot

- Enerjisa is a Joint Venture of Sabanci Holding and E.ON SE – both hold a 50% stake
- Business activities in generation, distribution, wholesale and retail sales in the Turkish electricity sector
- 2.6 GW of capacity in operation
- 1.7 GW of capacity under construction
- Key player in Turkish retail/distribution with diverse, growing customer base of 9 million customers

- 2009-2012 Revenue & EBITDA





eon

Enerjisa

Location of generation assets and distribution networks





1. Energisa is a strategic partnership of Sabanci Group and E.ON SE. E.ON consolidates its 50% stake at equity 2. Subscribers and consumption figures for 2013

Enorijea charo

Enerjisa¹ generation assets in Turkey

 Power statio 	ns
----------------------------------	----

							Enerjisa share			
Project location	Fuel Type	Efficiency	Type of HEPPs	Shareholde	ers Consolidation	Capacity (net MW)	%	Pro rata (MW)	Accounting (MW)	Start-up date
In operation										
Bandirma-I	Gas	>59%		Enerjisa	Full	936	100	936	936	2010
Kentsa	Gas	45%		Enerjisa	Full	120	100	120	120	1997
Adana	Gas	45%		Enerjisa	Full	120	100	120	120	2002
Mersin	Gas	48%		Enerjisa	Full	65	100	65	65	2002
Çanakkale	Gas	49%		Enerjisa	Full	65	100	65	65	2002
Menge	Hydro		Reservoir	Enerjisa	Full	89	100	89	89	2012
Köprü	Hydro		Reservoir	Enerjisa	Full	156	100	156	156	2013
Kandil	Hydro		Reservoir	Enerjisa	Full	208	100	208	208	2013
Sarıgüzel	Hydro		Reservoir	Enerjisa	Full	103	100	103	103	2013
Kavşakbendi (unit 1)	Hydro		Reservoir	Enerjisa	Full	62	100	62	62	2013
Suçatı	Hydro		Run of River	Enerjisa	Full	7	100	7	7	
Birkapili	Hydro		Run of River	Enerjisa	Full	49	100	49	49	2004
Gazipaşa	Hydro		Run of River	Enerjisa	Full	30	100	30	30	2006
Hacınınoğlu	Hydro		Run of River	Enerjisa	Full	142	100	142	142	2011
Kuşakli	Hydro		Run of River	Enerjisa	Full	20	100	20	20	2013
Dağdelen	Hydro		Run of River	Enerjisa	Full	8	100	8	8	2013
Çambaşı	Hydro		Run of River	Enerjisa	Full	45	100	45	45	2013
Balikesir	Wind			Enerjisa	Full	143	100	143	143	2013
Dağpazarı	Wind			Enerjisa	Full	39	100	39	39	2012
Çanakkale	Wind			Enerjisa	Full	30	100	30	30	2012
						2.437		2.437	2.437	
Under construction										
Kavşakbendi (units 2-3)	Hydro		Reservoir	Enerjisa	Full	118	100	118	118	2014
Arkun	Hydro		Reservoir	Enerjisa	Full	237	100	237	237	2014
Yamanlı II	Hydro		Run of River	Enerjisa	Full	82	100	82	82	2014
Doğançay	Hydro		Run of River	Enerjisa	Full	62	100	62	62	2015
Tufanbeyli	Coal/Lignite	>34%		Enerjisa	Full	450	100	450	450	2015
Bandirma-II	Gas	>60%		Enerjisa	Full	597	100	597	597	2016
Alpaslan II	Hydro		Reservoir	Enerjisa	Full	280	100	280	280	2017
						1.826		1.826	1.826	
						4.263		4.263	4.263	

é.on