



Public data underlying the figures of Annual Report on the Results of Monitoring the Internal Electricity and Natural Gas Markets in 2013

October 2014

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Figure 1, page 23: Electricity and gas demand in the EU-28 in relation to GDP – 2008–2013 (TWh) GDP year-on-year change (%)

Source: Eurostat (10/7/2014) and ACER calculations

	2008	2009	2010	2011	2012	2013
Gas Demand	5,685.47	5,354.01	5,717.26	5,120.30	5,024.56	4,964.02 *
Electricity Demand	3,064.84	2,924.87	2,976.38	2,981.27	2,977.96	2,972.45 *
GDP	12,501.01	11,770.97	12,292.67	12,667.02	12,926.50	13,075.22
GDP % Growth		-5.8%	4.4%	3.0%	2.0%	1.2%

\* These numbers have been updated compared to the previous version of this file with the 'Public data underlying the published figures'

Figure 2, page 24: The change in electricity demand in Europe – 2012–2013 and 2009–2012 (%)

Source: Eurostat (10/7/2014) and ACER calculations

GEO/TIME	Demand 2009-2012	Demand 2013/2012	GDP 2009-2013	GDP 2013/2012
CY	-3.0%	-9.2%	1.7%	-6.9%
LV	2.0%	-8.6%	6.3%	5.0%
RO	1.1%	-6.1%	3.6%	8.1%
GR	-0.3%	-3.2%	-5.8%	-5.8%
EE	3.1%	-2.8%	7.6%	5.9%
IT	0.8%	-2.5%	1.0%	-0.4%
NL	0.9%	-2.2%	1.5%	0.6%
SE	1.0%	-2.1%	11.7%	3.0%
BG	0.8%	-2.0%	4.6%	0.0%
HR	-2.3%	-1.9%	-0.8%	-0.8%
MT	1.6%	-1.9%	4.9%	4.4%
SK	1.7%	-1.5%	4.2%	1.5%
FI	1.7%	-1.3%	3.7%	0.6%
ES	0.2%	-1.2%	-0.6%	-0.6%
LU	0.7%	-1.1%	6.5%	6.0%
DE	0.1%	-1.1%	3.9%	2.7%
UK	-0.3%	-0.8%	6.7%	-1.3%
DK	-0.5%	-0.6%	3.1%	1.6%
CZ	0.7%	-0.4%	2.5%	-2.2%
EU 28	0.6%	-0.2%		
PT	-0.6%	0.2%	-0.7%	0.3%
SI	3.1%	0.2%	-0.1%	-0.1%
HU	0.6%	0.4%	2.0%	1.1%
AT	1.7%	0.7%	3.6%	2.0%
IE	-1.3%	0.8%	0.3%	0.1%
PL	2.1%	0.9%	7.1%	2.2%
FR	-0.1%	0.9%	2.5%	1.4%
BE	0.0%	1.9%	3.3%	1.5%
LT	2.8%	3.0%	7.3%	5.1%

Figure 3, page 25: The change in gas demand in Europe – 2012–2013 and 2009–2012 (%)

Source: Eurostat (10/7/2014) and ACER calculations

GEO/TIME	Demand 2009-2012	Demand 2013/2012	Average of CAGR GDP 2009-2013	Average of % GDP 2013/2012
LT	6.8%	-18.5%	7.3%	5.1%
LU	-2.0%	-15.0%	6.5%	6.0%
GR	7.3%	-11.8%	-5.8%	-5.8%
SK	0.3%	-11.0%	4.2%	1.5%
HU	-1.9%	-10.7%	2.0%	1.1%
ES	-3.3%	-7.7%	-0.6%	-0.6%
RO	2.2%	-7.5%	3.6%	8.1%
IT	-1.4%	-6.5%	1.0%	-0.4%
FI	-4.9%	-5.5%	3.7%	0.6%
AT	1.2%	-5.4%	3.6%	2.0%
SE	-3.3%	-4.8%	11.7%	3.0%
HR		-4.7%	-0.8%	-0.8%
PT	-1.5%	-3.8%	-0.7%	0.3%
IE	-1.6%	-3.0%	0.3%	0.1%
EU 28	-2.1%	-1.2%	3.2%	0.8%
LV	-0.4%	-1.0%	6.3%	5.0%
BE	0.3%	-0.9%	3.3%	1.5%
UK	-4.8%	-0.9%	6.7%	-1.3%
DK	-5.4%	0.9%	3.1%	1.6%
PL	3.5%	1.4%	7.1%	2.2%
EE	5.7%	1.7%	7.6%	5.9%
NL	-2.0%	1.9%	1.5%	0.6%
CZ	0.0%	3.0%	2.5%	-2.2%
FR	-1.6%	3.1%	2.5%	1.4%
BG	2.0%	4.3%	4.6%	0.0%
DE	-4.2%	6.4%	3.9%	2.7%
SI	-6.9%	6.9%	-0.1%	-0.1%
CY			1.7%	-6.9%
MT			4.9%	4.4%

Figure 4, page 27: Electricity POTP and PTP for households and industry – Europe – 2013 (euro cents/kWh)  
Source: Eurostat (10/7/2014) and ACER calculations

	PTP	Taxes	Total	H
BG	7.53	1.5	9.03	H
RO	8.93	4.08	13.01	H
LV	9.085	4.595	13.68	H
EE	10.005	3.585	13.59	H
HU	10.4	3.215	13.615	H
FR	10.53	4.775	15.305	H
HR	10.755	2.855	13.61	H
FI	10.945	4.74	15.685	H
PL	11.38	3.205	14.585	H
LT	11.41	2.395	13.805	H
SI	11.765	4.57	16.335	H
GR	11.815	4.485	16.3	H
PT	12.265	8.795	21.06	H
CZ	12.36	2.73	15.09	H
DK	12.745	16.935	29.68	H
NO	13.26	5.175	18.435	H
SE	13.4	7.335	20.735	H
NL	13.48	5.675	19.155	H
SK	13.75	3.13	16.88	H
EU28	13.755	6.255	20.01	H
AT	13.87	6.63	20.5	H
LU	14.38	2.175	16.555	H
DE	14.91	14.29	29.2	H
IT	14.995	8.08	23.075	H
BE	16.12	5.82	21.94	H
MT	16.15	0.85	17	H
UK	16.85	0.84	17.69	H
ES	17.695	4.81	22.505	H
IE	19.885	3.615	23.5	H
CY	21.525	4.68	26.205	H
NO	4.855	3.08	7.935	I
FI	5.275	2.135	7.41	I
BG	5.75	1.28	7.03	I
FR	5.87	2.585	8.455	I
SE	6.01	1.575	7.585	I
LU	6.065	0.455	6.52	I
HR	6.185	1.78	7.965	I
RO	6.47	3.45	9.92	I
BE	6.585	2.59	9.175	I
SI	6.6	2.6	9.2	I
AT	6.64	3.615	10.255	I

PL	6.675	2.125	8.8	I
EE	6.875	2.925	9.8	I
NL	6.93	2.01	8.94	I
DE	6.985	8.185	15.17	I
EU28	7.55	4.175	11.725	I
GR	7.77	2.945	10.715	I
DK	7.925	15.72	23.645	I
PT	8.1	3.12	11.22	I
ES	8.24	2.24	10.48	I
LV	8.265	4.425	12.69	I
HU	9.01	3.085	12.095	I
IT	9.19	5.57	14.76	I
CZ	9.365	2.095	11.46	I
SK	10.065	2.55	12.615	I
IE	10.11	1.11	11.22	I
UK	10.43	2.335	12.765	I
LT	12.64	2.72	15.36	I
MT	15	0.75	15.75	I
CY	16.77	3.89	20.66	I

Figure 5, page 28: Gas POTP and PTP for households and industry – EU-28 – 2013 (euro cents/kWh)

Source: Eurostat (10/7/2014) and ACER calculations

country	PTP	Taxes	total	
RO	1.565	1.395	2.96	H
HU	3.355	0.905	4.26	H
HR	3.73	0.935	4.665	H
EE	3.93	1.07	5	H
PL	3.98	0.915	4.895	H
LV	4	1.05	5.05	H
SK	4.235	0.85	5.085	H
BG	4.295	0.86	5.155	H
DK	4.915	6.295	11.21	H
NL	4.92	3.37	8.29	H
SI	5.02	1.63	6.65	H
CZ	5.025	1.055	6.08	H
LT	5.025	1.06	6.085	H
DE	5.075	1.675	6.75	H
BE	5.23	1.405	6.635	H
EU28	5.25	1.555	6.805	H
UK	5.325	0.625	5.95	H
LU	5.36	0.59	5.95	H
AT	5.65	1.955	7.605	H
IE	5.72	1.155	6.875	H
FR	5.855	1.18	7.035	H
IT	5.925	2.975	8.9	H
ES	6.48	1.64	8.12	H
SE	6.74	5.515	12.255	H
GR	6.77	1.53	8.3	H
PT	6.9	1.945	8.845	H
RO	1.835	0.915	2.75	I
UK	2.665	0.59	3.255	I
AT	2.71	1.405	4.115	I
BE	2.715	0.875	3.59	I
HR	2.73	0.71	3.44	I
NL	2.75	0.75	3.5	I
CZ	2.865	0.745	3.61	I
DE	2.905	1.03	3.935	I
EU28	2.925	0.775	3.7	I
SK	2.95	0.75	3.7	I
FR	2.955	0.435	3.39	I
PL	2.975	0.685	3.66	I
BG	3.115	0.63	3.745	I
ES	3.215	0.735	3.95	I
IT	3.225	0.285	3.51	I



LV	3.24	0.885	4.125	
EE	3.37	0.79	4.16	
PT	3.39	0.79	4.18	
FI	3.395	2.1	5.495	
IE	3.43	0.305	3.735	
GR	3.55	0.8	4.35	
SI	3.57	1.33	4.9	
HU	3.625	1.205	4.83	
DK	3.65	5.53	9.18	
LU	3.81	0.25	4.06	
SE	3.81	4.78	8.59	
LT	4.205	0.88	5.085	

Figure 6, page 29: The POTP compounded annual growth rate (CAGR) of household and industrial electricity prices – Europe – 2008–2013 (%)

Source: Eurostat (21/7/2014) and ACER calculations

GEO/TIME	CAGR Growth	H
HU	-3.1%	H
LU	0.4%	H
BE	0.6%	H
NO	0.9%	H
DK	1.1%	H
NL	1.3%	H
BG	1.4%	H
IT	1.8%	H
SK	1.9%	H
MT	2.0%	H
PL	2.1%	H
UK	2.5%	H
AT	2.6%	H
HR	2.7%	H
CZ	2.8%	H
RO	3.0%	H
SE	3.2%	H
FI	4.1%	H
DE	5.9%	H
LV	6.2%	H
PT	6.9%	H
CY	7.0%	H
IE	7.4%	H
SI	7.5%	H
ES	7.9%	H
FR	9.6%	H
EE	9.9%	H
LT	10.0%	H
GR	10.7%	H
NL	-2.7%	I
AT	-2.0%	I
RO	-1.9%	I
PL	-1.8%	I
LU	-1.5%	I
DK	-1.4%	I
NO	-1.1%	I
SE	-1.0%	I
HU	-0.3%	I
BE	0.4%	I
SK	1.0%	I

FI	1.3%	I
BG	1.3%	I
HR	1.4%	I
UK	1.9%	I
ES	2.2%	I
CZ	2.3%	I
IE	2.5%	I
MT	2.5%	I
SI	2.7%	I
FR	2.8%	I
IT	2.9%	I
LT	3.5%	I
DE	4.5%	I
PT	5.6%	I
CY	5.7%	I
GR	6.7%	I
LV	9.3%	I
EE	12.7%	I

Figure 7, page 31: The compounded annual growth rate (CAGR) of the electricity energy component and the non-contestable part of POTPs for households – Europe – 2008–2013 (%)

Source: Eurostat (21/7/2014) and ACER calculations

	Non-contestable part	Energy component
ES	15.3%	-5.3%
GR	13.8%	8.4%
LT	12.7%	5.7%
IE	10.7%	3.0%
PT	10.6%	0.8%
EE	10.5%	9.0%
FR	9.7%	9.4%
CZ	9.7%	-7.0%
LV	9.4%	2.5%
SI	8.4%	6.0%
DE	8.1%	1.6%
UK	6.5%	0.2%
CY	6.3%	7.4%
FI	5.7%	1.9%
SE	5.6%	-1.8%
BE	4.9%	-6.0%
IT	4.5%	-2.1%
DK	4.3%	-9.6%
RO	4.2%	0.5%
NL	3.9%	-2.1%
SK	3.6%	-0.5%
HR	3.2%	2.0%
AT	2.9%	2.3%
NO	2.5%	-2.4%
BG	1.3%	1.5%
PL	1.0%	3.8%
HU	0.7%	-7.0%
MT	0.5%	2.4%
LU	-0.7%	2.2%

Figure 8, page 32: Compound annual growth rate (CAGR) of the electricity energy component and the non-contestable part of POTPs for industrial consumers – Europe – 2008 –2013 (%)

Source: Eurostat (21/7/2014) and ACER calculations

	Non-contestable part	Energy Component
DE	20.0%	-4.8%
FR	19.8%	-5.3%
LV	16.8%	6.8%
IT	16.6%	-2.5%
CZ	16.2%	-4.7%
EE	16.1%	10.4%
IE	14.1%	0.5%
HU	12.4%	-4.2%
SK	11.5%	-5.9%
LU	11.0%	-3.1%
GR	10.6%	5.5%
DK	10.3%	-9.4%
SI	9.8%	0.7%
FI	9.5%	-0.4%
CY	8.9%	5.1%
PT	8.5%	4.2%
SE	6.5%	-2.4%
BE	6.3%	-1.8%
HR	5.8%	-0.1%
AT	4.1%	-4.9%
NL	3.9%	-4.4%
NO	3.5%	-3.2%
LT	2.7%	4.3%
MT	0.0%	3.0%
UK	-1.1%	2.8%
RO	-3.5%	-1.0%
PL	-5.3%	-0.1%
BG	-5.6%	3.1%
ES	-14.2%	5.7%

Figure 9, page 33: POTP electricity break-down – incumbents' standard offers for households in capital cities – November-December 2013 (%)

Source: ACER Retail Database and information from NRAs (2013)

Country and POTP	% Energy	% Network	% Taxes incl. VAT	% RES
MT 680€	82.1%	12.9%	5.0%	0.0%
IE 901€	69.5%	13.9%	14.7%	2.0%
CY 947€	63.8%	18.6%	15.5%	2.1%
UK 738€	59.0%	23.8%	10.2%	7.0%
GR 698€	52.6%	17.6%	17.9%	11.9%
BG 367€	45.5%	24.0%	20.0%	10.5%
HR 576€	45.5%	31.4%	20.0%	3.2%
LU 705€	46.0%	42.0%	6.0%	6.0%
PL 537€	43.3%	29.9%	22.3%	4.6%
HU 532€	42.5%	36.3%	21.3%	0.0%
FI 587€	40.7%	27.8%	30.3%	1.4%
SK 595€	40.1%	30.4%	18.7%	10.8%
SI 610€	39.2%	33.1%	21.7%	5.8%
AT 789€	38.7%	25.7%	28.1%	7.5%
NL 820€	38.2%	26.0%	35.3%	0.5%
FR 616€	38.2%	30.1%	26.6%	5.2%
CZ 618€	37.8%	27.0%	21.3%	13.8%
ES 876€	37.0%	41.6%	21.4%	0.0%
BE 910€	36.0%	31.0%	31.0%	2.5%
LT 548€	35.0%	45.1%	15.5%	4.2%
EE 571€	34.8%	38.8%	20.3%	6.1%
PT 882€	34.6%	41.6%	21.7%	2.1%
LV 606€	34.5%	37.3%	17.4%	10.9%
IT 1090€	31.7%	25.5%	19.6%	23.2%
DE 1204€	30.1%	21.7%	30.7%	17.5%
RO 450€	29.5%	40.0%	24.4%	6.1%
SE 748€	27.2%	33.8%	37.4%	1.6%
NO 608€	23.4%	46.4%	29.3%	1.0%
DK 1221€	16.7%	19.4%	61.1%	2.9%

Figure 10, page 35: POTP compound annual growth rate (CAGR) of gas household and industrial prices – EU-28 – 2008–2013 (%)

Source: Eurostat (21/7/2014) and ACER calculations

	CAGR Growth	H vs Ind
RO	-2.4%	H
DE	-0.8%	H
HU	-0.4%	H
BE	0.2%	H
SI	0.9%	H
PL	1.0%	H
LU	2.1%	H
SK	2.7%	H
NL	2.7%	H
IE	2.9%	H
DK	3.2%	H
EU28	3.4%	H
LV	4.4%	H
CZ	4.7%	H
SE	4.7%	H
AT	4.8%	H
FR	5.1%	H
UK	5.1%	H
IT	5.7%	H
ES	5.7%	H
BG	6.7%	H
PT	7.1%	H
EE	7.2%	H
HR	11.1%	H
LT	11.3%	H
SK	-2.5%	I
CZ	-1.4%	I
BE	-1.2%	I
FR	-0.9%	I
DE	-0.7%	I
RO	-0.6%	I
IT	-0.5%	I
NL	0.1%	I
EU28	1.1%	I
UK	1.5%	I
SI	1.7%	I
IE	2.3%	I
LV	2.8%	I

PL	3.0%	I
AT	3.1%	I
DK	4.7%	I
HU	4.9%	I
LT	5.0%	I
ES	5.9%	I
SE	7.2%	I
EE	7.3%	I
BG	7.6%	I
LU	10.5%	I
FI	10.5%	I
PT	10.7%	I
HR	11.5%	I



Figure 11, page 36: POTP gas break-down – incumbents' standard offers for households in capital cities – November-December 2013 (%)

Source: ACER Retail Database and information from NRAs (2013)

	% Energy	% Network	% Taxes incl. VAT
LU 943€	74.0%	19.0%	7.0%
UK 987€	71.1%	21.0%	7.9%
LT 921€	66.3%	14.0%	19.8%
CZ 767€	66.2%	16.3%	17.5%
HU 561€	61.5%	17.3%	21.2%
HR 776€*	61.1%	18.9%	20.0%
GR 1078€	60.4%	20.2%	19.4%
BG 934€	60.0%	23.3%	16.7%
LV 748€	56.5%	23.2%	20.3%
EE 901€	56.4%	15.7%	27.9%
DE 1005€	56.0%	19.0%	25.1%
SK 783€	55.0%	28.3%	16.7%
FR 1066€	53.0%	30.0%	17.0%
BE 1001€	52.9%	23.7%	23.3%
IE 1056€	51.9%	31.0%	17.1%
PL 759€	50.0%	31.3%	18.7%
SI 996€	50.0%	24.9%	25.2%
AT 1165€	47.3%	24.1%	28.6%
RO 461€	46.6%	34.1%	19.3%
NL 1180€	46.3%	12.4%	41.3%
IT 1419€	42.8%	22.9%	34.3%
ES 1089€	41.7%	37.7%	20.6%
FI 1441€	37.2%	26.4%	36.3%
PT 1193€	36.1%	41.3%	22.5%
SE 1887€	35.2%	18.8%	46.0%
DK 1742€	31.4%	14.9%	53.8%

\* This number has been updated compared to the previous version of this file with the 'Public data underlying the published figures'

This also corrects the corresponding figure 11 in the full report available at

[http://www.acer.europa.eu/Official\\_documents/Acts\\_of\\_the\\_Agency/Publication/ACER\\_Market\\_Monitoring\\_Report\\_2014.pdf](http://www.acer.europa.eu/Official_documents/Acts_of_the_Agency/Publication/ACER_Market_Monitoring_Report_2014.pdf)

Figure 12, page 39: Electricity prices for households and industry per band for a selection of countries - 2013 (euro cents/kWh)

Source: Eurostat (21/7/2014) and ACER calculations

		household	industrial
AT	A	31.47	18.11
	B	23.44	15.76
	C	20.50	13.31
	D	18.69	11.69
	E	17.27	10.26
	F		9.55
	G		
EU28	A	30.12	23.22
	B	21.41	17.57
	C	20.01	14.78
	D	19.24	13.20
	E	18.28	11.73
	F		10.69
	G		
FR	A	27.55	15.60
	B	17.45	13.06
	C	15.31	10.82
	D	14.06	9.36
	E	12.80	8.46
	F		7.20
	G		
IE	A	62.45	22.10
	B	28.91	18.20
	C	23.50	15.38
	D	20.49	12.80
	E	17.70	11.22
	F		10.20
	G		
IT	A	27.76	32.17
	B	19.82	23.31
	C	23.08	19.73
	D	28.76	17.56
	E	30.87	14.76
	F		12.54
	G		11.13

LV	A	11.66	17.54
	B	12.61	14.96
	C	13.68	13.78
	D	14.30	12.75
	E	14.18	12.69
	F		11.93
	G		
NL	A		14.08
	B	11.38	15.18
	C	19.16	11.52
	D	22.82	10.27
	E	18.48	8.94
	F		8.51
	G		
NO	A	44.86	11.41
	B	27.97	11.61
	C	18.44	11.45
	D	13.22	9.39
	E	11.66	7.94
	F		7.08
	G		
SK	A	26.76	24.43
	B	19.13	18.32
	C	16.88	15.33
	D	15.05	14.00
	E	13.32	12.62
	F		12.68
	G		11.92

Figure 13, page 43: Type of energy pricing of electricity-only offers in capital cities as percentage of all offers – November-December 2013

Source: ACER Database (November-December 2013) and ACER calculations

Country and number of offers	Fixed	Variable	Spot-based	Regulated	Cannot Say
BE (16)	81.0%	19.0%			
IT (29)	79.3%	17.2%		3.4%	
HU (4)	75.0%	0.0%		25.0%	
DE (376)	70.2%	29.8%			
SI (36)	61.1%	33.3%			5.6%
NL (71)	57.7%	42.3%			
SE (368)	57.0%		25.0%		18.0%
NI (22)	54.5%	45.5%			
FI (204)	53.9%	38.2%	7.8%		
DK (124)	49.2%	46.0%	4.8%		
FR (22)	45.5%	50.0%		4.5%	
GB (20)	45.0%	55.0%			
HR (7)	42.9%	57.1%			
PL (77)	37.7%	36.4%			26.0%
NO (100)	30.0%	38.0%	32.0%		
IE (10)	30.0%	70.0%			
GR (4)	25.0%	75.0%			
PT (11)	18.0%	82.0%			
LU (16)	12.5%	87.5%			
AT (40)	12.0%	88.0%			
CZ (61)	6.6%				93.4%
ES (32)	6.3%	93.8%			
EE (14)		14.3%			85.7%
CY (1)				100.0%	
LT (1)				100.0%	
LV (1)				100.0%	
MT (1)				100.0%	
SK (19)					100.0%
BG (1)				100.0%	
RO (1)				100.0%	

Figure 14, page 44: Type of energy pricing of gas-only offers in capital cities – November-December 2013  
Source: ACER Database (November-December 2013) and ACER calculations

Country and number of offers	Fixed	Variable	Regulated	Cannot Say
BG (1)	100.0%			
DK (29)	100.0%			
HR (1)	100.0%			
LT* (1)	100.0%			
IT (22)	90.9%	9.1%		
DE (278)	77.3%	22.7%		
FR (19)	68.4%	26.3%	5.3%	
NL (58)	62.1%	37.9%		
HU (4)	50.0%	50.0%		
BE* (12)	42.0%	58.0%		
CZ (22)	40.9%	50.0%		9.0%
UK (27)	40.7%	59.3%		
PT (9)	33.0%	67.0%		
IE (7)	14.3%	57.1%		28.6%
FI (1)		100.0%		
LV (1)		100.0%		
EE* (1)		100.0%		
PL (1)		100.0%		
LU (6)		100.0%		
AT (15)				100.0%
ES (45)				100.0%
GR (1)			100.0%	
RO (1)			100.0%	
SE (16)				100.0%
SI (27)				100.0%
SK (20)				100.0%

Figure 15, page 47: Share of dual-fuel offers in the total number of offers for a selection of countries where dual-fuel offers exist – 2013 (%)

Source: ACER Database (November-December 2013) and ACER calculations

Country and number of offers	Gas only	Electricity Only	Dual fuel
NL (236)	25%	30%	45%
UK (147)	18%	14%	68%
ES (122)	37%	26%	37%
DK (166)	17%	75%	8%
BE (29)	0%	59%	41%
IE (29)	24%	34%	41%
FR (48)	40%	46%	15%
IT (57)	39%	51%	11%
PT (32)	28%	34%	38%
CZ (85)	26%	72%	2%
EE (15)	0%	93%	7%
LT (2)	0%	50%	50%

Figure 17, page 50: Entry/exit activity in the household retail market (5-year average – 2009–2013) and number of nationwide household suppliers in 2013 (% and number of suppliers)

Source: CEER National Indicators Database (2014)

	Electricity - entry/exit activity	Gas - entry/exit activity	Electricity - number of nationwide suppliers	Gas - number of nationwide suppliers
SK	74%	58%	13	16
DE	68%	27%	29	129
HU	51%	4%	8	8
EE	50%	0%	37	1
GR	44%	0%	7	1
HR	43%	na	8	0
ES	41%	13%	23	28
LT	38%	0%	5	1
PL	32%	3%	17	7
LV	32%	0%	5	1
BE	30%	47%	11	9
IT	28%	24%	17	7
LU	17%	0%	5	3
NL	17%	24%	47	44
GB	13%	19%	20	22
PT	13%	11%	5	6
AT	11%	6%	17	12
SI	10%	50%	10	15
NO	10%	na	26	
RO	8%	27%	5	44
FR	8%	12%	10	7
DK	7%	11%	49	10
IE	6%	17%	5	4
FI	2%	2%	34	0
SE	2%	5%	97	0
BG	0%	10%	4	28
CY	0%	na	1	
MT	0%	na	1	
CZ	3%	25%		66

Figure 20, page 58: Average annual electricity (2008–2013) and gas (2012–2013) mark-ups – (euros/MWh)

Source: ACER Database, Eurostat and European power exchanges data (2014) and ACER calculations

Average mark-up

	Electricity	Gas
GB	30.76	17.92
IE	28.06	12.11
DE	26.21	14.38
GR	23.80	15.03
SK	21.38	- 1.72
NL	21.03	11.64
BE	18.47	15.49
LU	17.55	22.00
AT	16.12	11.11
SE	14.56	9.01
DK	11.99	9.03
ES	11.75	3.94
PT	10.98	0.09
FI	10.67	2.68
PL	10.32	- 1.90
NO	8.77	
IT	8.50	9.43
SI	6.15	- 0.89
HU	4.43	- 5.81
LV	0.53	- 4.09
FR	- 0.13	9.26
LT	- 0.93	4.04
EE	- 1.03	1.36
CZ	- 6.91	2.65
RO	- 13.63	- 14.81
BG		- 0.41
HR		5.79

There is no organised wholesale electricity market in BG, HR, CY and MT.



Figure 21, page 60: Relationship between the energy component of retail electricity price and the wholesale electricity price and mark-up in Europe – 2008–2013 (euros/MWh)

Source: Eurostat, NRAs and European power exchanges data (2014) and ACER calculations

year	Wholesale	Mark-up	Retail
2008	61.62	11.19	72.81
2009	57.27	12.42	69.69
2010	54.36	11.54	65.91
2011	54.22	11.16	65.39
2012	53.22	13.49	66.71
2013	51.49	15.51	65.56

Figure 22, page 61: Electricity mark-up in a selection of countries – 2008–2013 (euros/MWh)  
Source: Eurostat, NRAs and European power exchanges data (2014) and ACER calculations

Mark-up

	2008	2009	2010	2011	2012	2013
NO	14.91	9.66	0.66	4.14	10.16	13.06
FI	8.51	5.00	7.48	17.80	10.50	14.75
SE	11.54	16.10	4.10	14.19	25.30	16.12
NL	17.32	22.82	19.41	23.82	22.42	20.38
AT	5.68	6.28	13.49	26.10	21.43	23.72
DE	17.99	15.08	30.65	27.39	30.24	35.90
GB	28.43	12.16	38.50	29.77	37.78	37.96

Figure 23, page 62: Relationship between the energy component of the retail electricity price and wholesale electricity price and mark-up in a selection of countries – 2008–2013 (euros/MWh)

Source: NRAs and European power exchanges data (2014) and ACER calculations

Average of price

Country Norway

market			
year	Wholesale	Mark-up	Retail
2008	44.1	14.9	59.0
2009	35.8	9.7	45.5
2010	59.6	0.7	60.3
2011	49.4	4.1	53.5
2012	33.3	10.2	43.5
2013	39.1	13.1	52.2

Country Great Britain

market			
year	Wholesale	Mark-up	Retail
2008	78.1	28.4	106.5
2009	81.2	12.2	93.4
2010	54.8	38.5	93.3
2011	64.8	29.8	94.6
2012	67.6	37.8	105.4
2013	69.9	38.0	107.8

Country Austria

market			
year	Wholesale	Mark-up	Retail
2008	62.1	5.7	67.8
2009	64.7	6.3	71.0
2010	57.5	13.5	71.0
2011	54.1	26.1	80.2
2012	55.4	21.4	76.8
2013	52.1	23.7	75.8

Country Netherlands

market			
year	Wholesale	Mark-up	Retail
2008	67.5	17.3	84.8
2009	68.6	22.8	91.4
2010	59.5	19.4	78.9
2011	54.1	23.8	77.9
2012	56.4	22.4	78.8
2013	55.8	20.4	76.2

Country Germany

market			
year	Wholesale	Mark-up	Retail
2008	62.1	18.0	80.1
2009	64.7	15.1	79.8
2010	57.1	30.6	87.7
2011	53.3	27.4	80.7
2012	54.3	30.2	84.5
2013	50.7	35.9	86.6

Country Finland

market			
year	Wholesale	Mark-up	Retail
2008	46.5	8.5	55.0
2009	50.1	5.0	55.1
2010	50.6	7.5	58.1
2011	46.7	17.8	64.5
2012	50.8	10.5	61.3
2013	45.5	14.8	60.3

*The data from other memberstates can be provided upon request*

Figure 24, page 64: Dispersion in the energy component of retail prices for households in capitals – December 2013 (euros/year, ranked)

Source: ACER Database (November–December 2013) and ACER calculations

electricity

MS	Var. Min.	10% percentile	80% range	Var. 90% percentile	Var. Max.
CY	604	-	2	-	-
IE	586	4	37	29	24
MT	531	-	2	-	-
NI	459	12	41	37	11
GR	356	1	10	16	10
GB	324	48	64	67	32
IT	298	46	55	64	33
LU	292	1	22	19	3
ES	287	18	20	38	43
PT	260	17	21	12	7
HR	232	3	9	11	7
HU	228	1	2	2	1
BE	227	23	119	220	280
SK	226	4	15	9	21
NL	218	31	36	31	37
SI	211	5	25	31	40
LV	209	-	2	-	-
EE	197	1	16	24	2
LT	192	-	2	-	-
PL	192	34	29	28	48
CZ	189	12	18	19	45
AT	186	36	64	46	33
FR	168	11	33	39	70
BG	167	-	2	-	-
SE	165	35	28	82	77
RO	147	-	2	-	-
FI	135	69	26	35	27
NO	124	16	27	24	23
DK	116	68	21	41	61
DE	34	189	103	100	267

gas

MS	Var. Min.	10% percentile	80% range	Var. 90% percentile	Var. Max.
LU	694	15	147	195	66
LT	671	-	2	-	-
EL	651	-	2	-	-
HR	613	-	2	-	-
BG	561	-	2	-	-
FI	536	-	2	-	-
BE	509	9	40	27	14
EE	508	-	2	-	-
FR	490	32	49	49	18
DK	480	33	18	20	47
PT	467	18	27	15	-
IT	459	24	132	161	490
SI	457	7	33	31	90
SE	455	6	88	89	120
NL	447	59	32	32	46
GB	407	63	123	110	47
HU	398	-	0	0	0
CZ	396	61	29	30	105
ES	395	41	34	49	29
AT	389	23	78	56	5
PL	380	-	2	-	-
SK	378	16	24	14	16
LV	376	-	2	-	-
IE	373	32	65	78	31
DE	264	154	142	136	917
RO	215	-	2	-	-

Figure 25, page 67: Number of offers in capital cities in 2013 and years since market liberalisation  
Source: ACER retail database and ERGEG (2014) and ACER calculations

electricity	2013	2013
	YEARSLIBER_E	NUMOFFERS_E
AT	12	40
BE	6	16
BG	-	1
CY	-	1
CZ	7	61
DE	15	376
DK	10	124
EE	4	14
ES	10	32
FI	13	204
FR	6	29
GB	23	59
GR	6	4
HR	5	7
HU	6	4
IE	8	10
IT	6	30
LT	6	1
LU	6	16
LV	6	1
MT	-	1
NI		22
NL	9	71
NO	21	100
PL	6	77
PT	7	17
RO	6	1
SE	17	368
SI	6	36
SK	6	19

gas	2013	2013
	YEARSLIBER_G	NUMOFFERS_G
AT	11	15
BE	6	12
BG	-	1
CZ	6	24
DE	15	278
DK	9	42
EE	6	1
ES	10	90
FI	-	1
FR	6	19
GR	-	1
HR	5	1
HU	6	4
IE	6	19
IT	10	27
LT	6	1
LU	6	6
LV	-	1
NL	9	165
PL	6	1
PT	3	15
RO	6	1
SE	6	16
SI	6	27
SK	6	20
GB	15	88

Figure 26, page 69: Switching rates for electricity household consumers in Europe – 2008–2012 and 2013 (% and ranked according to switching rates in 2013)

Source: CEER National Indicators Database (2014) and ACER calculations

Country	Country	Switching rates 2013	switching rates 2008-2012	switching rates 2013/2008-2012
PT	Portugal	26.8%	3.9%	22.9%
NO	Norway	15.3%	10.1%	5.2%
BE	Belgium	14.6%	9.9%	4.7%
NL	Netherlands	13.1%	10.3%	2.8%
ES	Spain	12.8%	8.2%	4.7%
GB	Great Britain	12.3%	16.6%	-4.3%
IE	Ireland	11.3%	13.6%	-2.2%
SE	Sweden	10.7%	8.9%	1.8%
IT	Italy	7.6%	3.9%	3.7%
FI	Finland	7.5%	7.8%	-0.3%
DK	Denmark	6.2%	2.9%	3.3%
EU28	EU28	6.0%	4.2%	1.8%
CZ	Czech Republic	5.7%	3.9%	1.8%
DE	Germany	5.7%	5.8%	-0.1%
SI	Slovenia	3.9%	2.4%	1.5%
SK	Slovakia	3.6%	1.6%	2.0%
FR	France	2.0%	3.0%	-1.0%
AT	Austria	1.8%	1.3%	0.5%
PL	Poland	1.0%	0.6%	0.4%
LU	Luxembourg	0.1%	0.1%	-0.1%
GR	Greece	0.1%	1.2%	-1.1%
HU	Hungary	0.0%	0.0%	0.0%
BG	Bulgaria	0.0%	0.0%	0.0%
CY	Cyprus	0.0%	0.0%	0.0%
EE	Estonia	0.0%	0.0%	0.0%
HR	Croatia	0.0%	0.0%	0.0%
LT	Lithuania	0.0%	0.0%	0.0%
LV	Latvia	0.0%	0.0%	0.0%
MT	Malta	0.0%	0.0%	0.0%
RO	Romania	0.0%	0.0%	0.0%

Figure 27, page 70: Switching rates for gas household consumers in Europe – 2008–2012 and 2013 (% and ranked according to switching rates in 2013)

Source: CEER National Indicators Database (2014) and ACER calculations

Country	Country	Switching rates 2013	switching rates 2008-2012	switching rates 2013/2008-2012
IE	Ireland	17.7%	12.3%	5.4%
NL	Netherlands	13.1%	10.4%	2.7%
BE	Belgium	12.8%	10.8%	2.1%
ES	Spain	12.4%	11.9%	0.5%
GB	Great Britain	10.2%	15.5%	-5.4%
CZ	Czech Republic	10.0%	5.7%	4.3%
DK	Denmark	9.6%	2.6%	7.0%
EE	Estonia	9.0%	5.2%	3.8%
SK	Slovakia	6.2%	2.2%	4.1%
FR	France	6.1%	4.0%	2.1%
EU28	EU28	6.0%	4.4%	1.6%
IT	Italy	5.5%	4.0%	1.5%
DE	Germany	5.5%	5.5%	0.0%
SI	Slovenia	5.1%	2.0%	3.1%
AT	Austria	2.4%	0.9%	1.5%
SE	Sweden	0.5%	0.5%	0.0%
LT	Lithuania	0.1%	0.0%	0.1%
LX	Luxembourg	0.0%	0.0%	0.0%
PL	Poland	0.0%	0.0%	0.0%
BG	Bulgaria	0.0%	0.0%	0.0%
GR	Greece	0.0%	0.0%	0.0%
LV	Latvia	0.0%	0.0%	0.0%
HR	Croatia	0.0%	0.0%	0.0%
HU	Hungary	0.0%	0.0%	0.0%
PT	Portugal	0.0%	0.0%	0.0%
RO	Romania	0.0%	0.0%	0.0%
FI	Finland	NAP	0.0%	0.0%



Figure 28, page 71: Proportion of electricity and gas consumers with a different supplier than their incumbent supplier – December 2013 (%)

Source: CEER National Indicators Database (2014) and ACER calculations

	Electricity	Gas
GB	62%	61%
BE	46%	50%
NO	34%	
PT	28%	34%
CZ	26%	10%
DE	16%	62%
ES	13%	33%
SI	11%	
SK	8%	15%
FR	8%	14%
IE		43%
DK		5%
HU	2%	2%
PL	1%	1%
HR	0%	0%
GR	0%	0%
RO	0%	0%
LT	0%	0%
BG	0%	
CY	0%	
LV		0%

Figure 29, page 71: Relationship between switching rates and years since market liberalisation – (%)  
Source: CEER National Indicators Database (2014) and ACER calculations

electricity

	YEARS LIBER_E	SWITCH_E
AT	12	1.8%
BE	6	14.6%
BG	0	0.0%
CY	0	0.0%
CZ	7	5.7%
DE	15	5.7%
DK	10	6.2%
EE	4	0.0%
ES	10	12.8%
FI	13	7.5%
FR	6	2.0%
GB	23	12.3%
GR	6	0.1%
HR	5	0.0%
HU	6	0.0%
IE	8	11.3%
IT	6	7.6%
LT	6	0.0%
LU	6	0.1%
LV	6	0.0%
MT	0	0.0%
NL	9	13.1%
NO	21	15.3%
PL	6	1.0%
PT	7	26.8%
RO	6	0.0%
SE	17	10.7%
SI	6	3.9%
SK	6	3.6%

gas

2013

COUNTRY	LIBYEARS2013	SWITCH_G
AT	11	2.4%
BE	6	12.8%
BG	0	0.0%
CZ	6	10.0%
DE	15	5.5%
DK	9	9.6%
EE	6	9.0%
ES	10	12.4%
FR	6	6.1%
IE	6	17.7%
IT	10	5.5%
LT	6	0.1%
LU	6	0.0%
LV	0	0.0%
NL	9	13.1%
PL	6	0.0%
SE	6	0.5%
SI	6	5.1%
SK	6	6.2%
GB	15	10.2%
FI	0	0.0%
GR	0	0.0%
HU	6	1.5%
PT	3	6.5%
HR	5	0.0%
RO	6	0.0%

Figure 30, page 72: Relationship between countries' overall switching rates and annual savings available in capital cities – 2013 (%)

Source: ACER Retail Database and CEER National Indicators Database (2014) and ACER calculations

electricity

	SWSAVE_E	SWITCH_E
AT	148.2	1.8%
BE	138.5	14.6%
BG	0.0	0.0%
CY	0.2	0.0%
CZ	54.3	5.7%
DE	378.2	
DK	109.8	6.2%
EE	5.8	0.0%
ES	48.4	12.8%
FI	117.7	7.5%
FR	76.6	2.0%
GB	117.5	12.3%
GR	16.2	0.1%
HR	0.0	0.0%
HU	3.2	0.0%
IE	48.7	11.3%
IT	52.2	7.6%
LT	0.4	0.0%
LU	15.4	0.1%
LV	0.0	0.0%
MT	0.0	0.0%
NL	115.1	13.1%
NO	23.0	15.3%
PL	45.9	1.0%
PT	49.3	26.8%
RO	0.0	0.0%
SE	47.5	10.7%
SI	44.9	3.9%
SK	15.3	3.6%

gas

	SWSAVE_G	SWITCH_G
AT	185.5	2.4%
BE	248.3	12.8%
BG	0	0.0%
CZ	82.8	10.0%
DE		
DK	82.7	9.6%
EE	0	9.0%
ES	62.1	12.4%
FI	0	0.0%
FR	114.1	6.1%
GR	0	0.0%
HR	0	0.0%
HU	13.9	1.5%
IE	194.2	17.7%
IT	156.5	5.5%
LT	0	0.1%
LU	83.8	0.0%
LV	0	0.0%
NL	183.1	13.1%
PL	0	0.0%
PT	88.6	6.5%
RO	0	0.0%
SE	48.6	0.5%
SI	30.2	5.1%
SK	55.4	6.2%
GB	199	10.2%

Figure 32, page 101: Demand participation in balancing energy markets (% of MSs) – 2013  
 Source: CEPA (2014)

	Participation in balancing markets	Participate on an equal basis to generation	Aggregators supply Demand Resource
Existing	55%	47%	35%
Planned	38%	29%	28%

Figure 33, page 102: Demand participation in capacity markets (% of MSs) – 2013  
 Source: CEPA (2014)

	Aggregators supply Demand Resource	Participate on an equal basis to generation	Participate in the Capacity Remuneration Mechanism	Capacity Remuneration Mechanism Present
Existing	23%	8%	5%	8%
Planned	37%	38%	31%	28%

Figure 35, page 108: Evolution of European wholesale electricity prices at different European power exchanges – 2008–2013 (euros/MWh)

Source: Platts, PXs and data provided by NRAs through the Electricity Regional Initiatives (ERI) (2014) and ACER calculations

Average of Price

	2008	2009	2010	2011	2012	2013
Germany (EPEX)	66	39	44	51	43	38
Nordic+Baltic Region (Nord Pool Spot)	48	36	54	46	33	40
Iberian Market (OMIE)	67	37	37	50	48	44
France (EPEX)	69	43	47	49	47	43
Italy (GME)	91	67	66	74	77	64

Figure 36, page 109: Evolution of the level of utilisation of gas-fired power plants in Spain – 2008–2013  
(number of operating hours)  
Source: CNMC (2014)

	h
2008	4195
2009	3525
2010	2637
2011	2001
2012	1497
2013	971

Figure 37, page 110: Price convergence in Europe by region (ranked) – 2008–2013 (% of hours)  
Source: Platts, PXs and data provided by NRAs through the ERI (2014) and ACER calculations

Region	Year	Full price convergence	Moderate price convergence	Low price convergence
SWE (2)	2008	41%	35%	23%
	2009	80%	18%	2%
	2010	82%	14%	4%
	2011	93%	5%	2%
	2012	91%	6%	3%
	2013	90%	6%	4%
CWE (4)	2008	8%	55%	37%
	2009	12%	67%	20%
	2010	22%	59%	19%
	2011	68%	15%	16%
	2012	50%	23%	27%
	2013	18%	19%	63%
Nordic (11)	2008	14%	25%	61%
	2009	36%	39%	25%
	2010	27%	35%	38%
	2011	34%	26%	40%
	2012	31%	24%	45%
	2013	32%	39%	28%
Baltic (3)	2011	13%	70%	17%
	2012	10%	57%	33%
	2013	40%	36%	24%
CEE (4)	2010	3%	62%	35%
	2011	3%	59%	38%
	2012	6%	50%	44%
	2013	10%	48%	42%
F-UK-I (2)	2008	5%	36%	59%
	2009	7%	49%	44%
	2010	11%	48%	42%
	2011	9%	46%	45%
	2012	10%	38%	52%
	2013	4%	37%	59%
CSE (8)	2010	0%	7%	93%
	2011	0%	9%	91%
	2012	0%	5%	95%
	2013	0%	4%	97%



Figure 38, page 111: Monthly aggregated wind and solar production in Germany compared to price differentials in the CWE region – 2013 (TWh and euros/MWh)

Source: Platts, ENTSO-E (2014) and ACER calculations

		Average hourly DA price differential (min- max) in the CWE region	Aggregated wind and solar production in Germany (TWh)	Wind production in Germany (TWh)	Solar production in Germany (TWh)
2013	Jan	11.06	5.38	5.03	0.35
	Feb	11.04	3.88	3.23	0.65
	Mar	21.18	6.98	4.68	2.30
	Apr	20.21	6.49	3.33	3.16
	May	16.34	6.58	3.14	3.43
	Jun	25.81	7.74	3.52	4.23
	Jul	13.77	6.98	1.95	5.04
	Aug	12.60	7.65	2.56	5.09
	Sep	9.42	7.24	3.95	3.29
	Oct	12.51	7.98	6.02	1.96
	Nov	15.32	6.00	5.20	0.80
	Dec	20.15	8.91	8.17	0.74

Figure 41, page 114: Full price convergence in the Baltic region compared to cross-border capacity (monthly average NTC) from Estonia to Latvia – 2013 (% and MW)

Source: Platts and ENTSO-E (2014)

date	month	value	NTC/conv
2013	Jan	NTC	773
2013	Feb	NTC	754
2013	Mar	NTC	662
2013	Apr	NTC	738
2013	May	NTC	683
2013	Jun	NTC	773
2013	Jul	NTC	704
2013	Aug	NTC	731
2013	Sep	NTC	610
2013	Oct	NTC	656
2013	Nov	NTC	776
2013	Dec	NTC	872
2013	Jan	converg	11%
2013	Feb	converg	11%
2013	Mar	converg	14%
2013	Apr	converg	14%
2013	May	converg	7%
2013	Jun	converg	84%
2013	Jul	converg	51%
2013	Aug	converg	55%
2013	Sep	converg	35%
2013	Oct	converg	26%
2013	Nov	converg	74%
2013	Dec	converg	92%

Figure 42, page 115: Full price convergence among the Czech Republic, Hungary and Slovakia compared to aggregated import capacity (monthly average NTC) from Austria and Slovakia to Hungary – 2013 (% and MW)

Source: Platts and ENTSO-E (2014)

year	month	data	value
2012	Jan	NTC	1,974
2012	Feb	NTC	1,967
2012	Mar	NTC	1,885
2012	Apr	NTC	1,955
2012	May	NTC	1,662
2012	Jun	NTC	1,763
2012	Jul	NTC	1,742
2012	Aug	NTC	1,765
2012	Sep	NTC	1,872
2012	Oct	NTC	2,081
2012	Nov	NTC	2,031
2012	Dec	NTC	2,072
2013	Jan	NTC	1,832
2013	Feb	NTC	1,754
2013	Mar	NTC	1,735
2013	Apr	NTC	1,830
2013	May	NTC	1,658
2013	Jun	NTC	1,248
2013	Jul	NTC	1,682
2013	Aug	NTC	1,562
2013	Sep	NTC	1,640
2013	Oct	NTC	1,690
2013	Nov	NTC	1,631
2013	Dec	NTC	1,648

year	month	data	value
2012	jan	conv	12%
2012	feb	conv	8%
2012	mar	conv	11%
2012	apr	conv	16%
2012	may	conv	24%
2012	jun	conv	31%
2012	jul	conv	23%
2012	aug	conv	11%
2012	sep	conv	60%
2012	oct	conv	82%
2012	nov	conv	83%
2012	dec	conv	80%
2013	jan	conv	78%
2013	feb	conv	89%
2013	mar	conv	86%
2013	apr	conv	97%
2013	may	conv	95%
2013	jun	conv	74%
2013	jul	conv	67%
2013	aug	conv	63%
2013	sep	conv	81%
2013	oct	conv	44%
2013	nov	conv	72%
2013	dec	conv	45%

Figure 43, page 118: Evolution of the quarterly level of commercial use of interconnections (day-ahead) as a percentage of NTC values for all EU borders – October 2010–2013 (%)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

	Day ahead commercial schedule (LT included)
2010	
Qtr4	32%
2011	
Qtr1	34%
Qtr2	34%
Qtr3	35%
Qtr4	36%
2012	
Qtr1	39%
Qtr2	37%
Qtr3	36%
Qtr4	39%
2013	
Qtr1	39%
Qtr2	37%
Qtr3	39%
Qtr4	40%

Figure 44, page 119: Percentage of hours with net day-ahead nominations against price differentials per border – 2012–2013 (%)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

Border	2012	2013
GB-IE	32.0%	38.6%
CH-FR	32.6%	35.5%
CZ-DE	36.0%	33.6%
AT-CZ	35.9%	33.2%
AT-HU	24.7%	27.3%
AT-SI	20.4%	23.3%
AT-CH	22.3%	21.0%
PL-SK	15.4%	20.9%
CH-DE	18.7%	18.5%
GR-IT	23.1%	13.5%
DE-PL	17.4%	12.8%
NL-GB	10.9%	12.2%
CZ-PL	12.7%	11.4%
FR-GB	10.7%	10.2%
FR-IT	2.5%	7.6%
ES-FR	10.2%	7.3%
PL-SE	6.8%	6.4%
CH-IT	2.5%	4.7%
AT-IT	0.6%	2.0%
HU-SK	14.6%	0.2%

Figure 45, page 120: Percentage of available capacity (NTC) used in the 'right direction' in the presence of a significant price differential, all EU electricity borders – 2010–2013 (%)  
Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

	% of capacity used in the right direction	% of capacity unused in the right direction
2010	60.7%	39.3%
2011	67.4%	32.6%
2012	74.8%	25.2%
2013	76.6%	23.4%

Figure 46, page 121: Percentage of available capacity (NTC) used in the 'right direction' in the presence of a significant price differential, per border – 2013 (%)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

Border	% of capacity used in the right direction	% of capacity unused in the right direction
AT-IT	98.9%	1.1%
FR-IT	88.6%	11.4%
ES-FR	86.4%	13.6%
CH-IT	85.1%	14.9%
CZ-SK	84.4%	15.6%
FR-GB	83.7%	16.3%
PL-SE	79.8%	20.2%
NL-GB	75.8%	24.2%
CH-FR	63.6%	36.4%
AT-SI	50.1%	49.9%
GB-IE	49.5%	50.5%
AT-CH	47.7%	52.3%
CH-DE	41.7%	58.3%
AT-HU	41.7%	58.3%
CZ-DE_TENNET	36.9%	63.1%
AT-CZ	31.8%	68.2%

Figure 47, page 123: Estimated 'loss in social welfare' due to the absence of market coupling, per border – 2012–2013 (million euros)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

Border	2012	2013
CH-FR	66.36	68.81
IE-GB (EWIC)	0.32	33.58
CH-DE	39.25	41.81
CZ-DE_TENNET	32.98	35.13
NI-GB (MOYLE)	21.82	21.07
AT-SI	18.37	18.73
FR-IT	18.85	18.13
CH-IT	33.45	17.64
AT-CZ	23.28	16.21
FR-GB	14.03	15.85
AT-HU	17.69	14.56
AT-CH	13.24	14.54
NL-GB	12.53	10.06
ES-FR	8.34	7.25

\* These numbers have been updated compared to the previous version of this file with the 'Public data underlying the published figures'. They also correct the corresponding figure 47 in the full report available at

[http://www.acer.europa.eu/Official\\_documents/Acts\\_of\\_the\\_Agency/Publication/ACER\\_Market\\_Monitoring\\_Report\\_2014.pdf](http://www.acer.europa.eu/Official_documents/Acts_of_the_Agency/Publication/ACER_Market_Monitoring_Report_2014.pdf)



Figure 48, page 125: Simulation results: gross welfare benefits from incremental gain per border – 2011–2013 (million euros)

Source: PCR project, including APX, EPEX SPOT, Nord Pool Spot, GME, OMIE (2014)

	2013	2012	2011
ITo-FR	17.7	25.5	18.8
NL-DE	13.6	4.3	0.8
NL-NO2	13.0	15.6	11.8
FR-GB	11.9	9.3	5.3
FR-ES	10.5	6.0	7.5
DE-SE4	6.5	9.5	6.3
DE-FR	6.1	3.2	4.1
BE-NL	5.3	2.2	3.6
DE-DK1	4.9	6.3	4.4
DE-DK2	4.9	5.2	4.2
NL-GB	4.7	4.6	1.9
FR-BE	4.4	1.7	0.2
NO2-DK1	4.2	3.8	6.1
SE4-PL	4.1	6.7	2.6
NO1-SE3	2.7	2.0	3.7
EE-FI	2.4	2.7	4.2
DK1-SE3	2.2	1.2	0.4
SE3-FI	1.8	3.0	0.6
SE4-DK2	1.7	3.7	0.3
SE1-FI	1.2	3.5	2.3
NO4-SE2	0.8	(0.4)	1.1
NO3-SE2	0.8	(0.5)	2.6
NO4-SE1	0.5	0.2	1.0
ES-PT	0.3	(0.7)	2.1

Figure 50, page 128: Evolution of the annual level (average values) of commercial use of interconnections (day-ahead and intraday) as a percentage of NTC values for all EU borders – October 2010–2013 (%)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

	Day ahead commercial schedule (LT included)	ID commercial schedule
2010	32.1%	1.8%
2011	34.8%	2.4%
2012	37.9%	2.9%
2013	39.0%	2.9%

Figure 51, page 129: Level of intraday cross-border trade: absolute sum of net intraday nominations for a selection of EU borders – 2010–2013 (GWh)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

	2010	2011	2012	2013
CH-FR	1,012.08	907.68	3,619.59	4,496.12
DE-FR	2,076.69	2,829.14	2,762.11	2,524.09
ES-PT		1,675.36	2,044.43	2,426.15
CH-DE	1,676.30	1,716.83	1,382.80	1,400.41
AT-DE	1,019.57	1,412.89	1,354.42	1,999.90
ES-FR		823.08	1,069.64	1,023.47
BE-FR	685.15	1,088.86	1,035.08	1,065.20
CZ-DE	428.44	711.32	804.92	1,008.01
DE-NL	916.13	1,194.58	727.72	395.71
BE-NL	166.94	283.44	363.21	464.10
AT-SI	308.25	395.69	326.58	433.03
DE-PL	-	200.00	300.00	687.20
CZ-SK	31.32	137.42	177.93	217.75

Figure 52, page 130: Allocation of intraday cross-border capacity according to the time remaining to delivery for a selection of borders – 2013 (%)

Source: CRE (2014)

hours to delivery	Borders with continuous ID trade (FR-DE and FR-CH)	Borders with auction-based ID trade (FR-ES, FR-GB, FR-IT)
1	26.0%	
2	11.7%	
3	7.6%	1.6%
4	5.4%	1.6%
5	4.2%	3.3%
6	3.5%	5.8%
7	2.8%	6.7%
8	2.4%	6.8%
9	2.5%	6.9%
10	2.5%	7.7%
11	2.5%	8.0%
12	2.5%	6.4%
13	2.5%	5.5%
14	2.4%	5.4%
15	2.2%	5.3%
16	1.9%	2.8%
17	1.8%	2.8%
18	1.8%	2.8%
19	2.1%	1.4%
20	2.3%	1.5%
21	2.4%	1.5%
22	1.9%	1.6%
23	1.3%	1.6%
24	1.7%	1.5%
25	1.9%	1.5%
26		1.5%
27		1.5%
28		1.5%
29		1.5%
30		1.5%
31		0.8%
32		0.8%
33		0.9%

Figure 53, page 131: Potential for intraday cross-border trade and efficiency in the use of cross-border intraday capacity on a selection of EU borders – 2013 (number of hours)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2014) and ACER calculations

border	Direction	Number of hours with ID price dif. >10 Euros/MWh and CB capacity available	Number of hours with ID price dif. 5-10 Euros/MWh and CB capacity available	Number of hours with ID price dif. 1-5 Euros/MWh and CB capacity available	Number of hours with ID nominations in the right direction	Number of hours with full ATC used in the right direction	% of hours when the interconnector is used in the 'right' direction (right axis)
ES-PT (implicit auctions)	ES->PT	81	74	237	392	392	100%
	PT->ES	67	86	225	378	378	100%
FR-DE (implicit continuous)	FR->DE	976	168	32	813	13	69%
	DE->FR	878	153	58	693	30	64%
ES-FR (explicit auctions)	ES->FR	784	535	364	922	288	55%
	FR->ES	616	397	282	651	301	50%
FR-BE (pro rata)	BE->FR	463	780	-	509	5	41%
	FR->BE	467	399	542	693	108	49%
FR-IT (explicit auctions)	FR->IT	447	372	614	567	82	40%
	IT->FR	254	426	306	370	-	38%
FR-GB (explicit auctions)	GB->FR	431	321	423	435	24	37%
	FR->GB	419	452	1,680	829	44	32%

Figure 54, page 134: EU balancing capacity contracted abroad (energy and capacity) as a percentage of the amount of reserve capacity in national balancing markets – 2013 (%)

Source: Data provided by NRAs through the ERI (2014)

	% Reserves contracted abroad	% National reserves
Estonia	100.0%	0.0%
Switzerland	53.1%	46.9%
Slovenia	46.7%	53.3%
Slovakia	0.9%	99.1%
Poland	0.0%	100.0%
Romania	0.0%	100.0%
Belgium	0.0%	100.0%
Czech Republic	0.0%	100.0%
Spain	0.0%	100.0%
France	0.0%	100.0%
Austria	0.0%	100.0%
Hungary	0.0%	100.0%

Figure 55, page 134: EU balancing energy activated abroad as a percentage of the amount of total balancing energy activated in national balancing markets (%)

Source: Data provided by NRAs through the ERI (2014)

	Balancing energy contracted abroad	Balancing energy provided by national balancing providers
France	14.9%	85.1%
Estonia	0.9%	99.1%
Slovenia	0.9%	99.1%
Great Britain	0.9%	99.1%
Czech Republic	0.8%	99.2%
Romania	0.0%	100.0%
Switzerland	0.0%	100.0%
Bulgaria	0.0%	100.0%
Slovakia	0.0%	100.0%
The Neherlands	0.0%	100.0%
Spain	0.0%	100.0%
Austria	0.0%	100.0%
Belgium	0.0%	100.0%
Poland	0.0%	100.0%
Hungary	0.0%	100.0%

Figure 56, page 140: Estimate of potential volumes of imbalance netting and further exchange of balancing energy across a selection of EU borders – 2013 (GWh/year)

Source: Data provided by NRAs through the ERI (2014) and ACER calculations

	Potential imbalance netting	Potential exchange of balancing energy
ES-PT	727.46	3,595.93
FR-ES	954.05	1,821.72
FR-GB	927.49	1,463.55
GB-NL	231.95	1,816.45
FR-CH	110.05	1,653.60
HU-RO	268.00	1,023.94
AT-HU	140.80	670.10
AT-CZ	144.24	617.98
CZ-PL	114.85	457.29
BE-NL		542.17
EE-FI	68.18	434.66
CH-AT	94.82	362.33
CZ-SK		448.33
AT-SI		405.61
HU-SK		300.30
PL-SK	66.82	121.93



Figure 57, page 141: Weighted average of imbalance prices when BRPs contribute to system imbalance – selection of MSs – 2013 (euros/MWh)

Source: Data provided by NRAs through the ERI (2014) and ACER calculations

	Average DA price- Imbalance Price (paid to) 'long' BRPs when the system is 'long'	Average Imbalance Price (charged to) 'short' BRPs when the system is 'short'- Average DA price
Slovakia	92.39	114.37
Czech Republic	55.71	103.19
The Netherlands	48.27	78.44
Austria	56.12	47.21
Hungary	33.74	69.44
Belgium	35.97	62.16
Estonia	24.28	37.58
Romania	26.84	29.18
Great Britain	16.03	34.47
Portugal	25.99	19.04
Eastern Denmark	10.16	34.69
Switzerland	17.45	25.58
Spain	24.88	16.32
France	10.18	26.21
Finland	4.29	19.03
Poland	4.21	9.32
Sweden	4.65	6.68
Western Denmark	7.42	1.60
Slovenia	-	3.60

Figure 58, page 142: Estimate of potential benefits from the integration of balancing energy markets per border – selection of borders – 2013 (million euros)

Source: Data provided by NRAs through the ERI (2014) and ACER calculations.

	Benefits from imbalance netting	Benefits from exchange of balancing energy
GB-NL	15.86	66.49
ES-PT	25.30	50.16
AT-CZ	12.57	47.27
FR-GB	17.51	21.63
AT-HU	9.55	29.35
HU-RO	18.05	19.25
FR-ES	20.19	14.88
CZ-PL	9.74	18.56
FR-CH	4.11	24.03
BE-NL		26.79
PL-SK	6.68	19.79
AT-SI		24.01
CZ-SK		23.53
CH-AT	4.19	14.63
EE-FI	2.34	14.31
HU-SK		14.06

Figure 59, page 149: Average unscheduled flow indicator for three regions – 2013 (MW)

Source: Vulcanus (2014) and ACER calculations

	2012	2013
AT-CZ	- 841.56	- 904.17
AT-DE	881.40	804.80
AT-HU	- 217.26	- 74.12
AT-SI	- 240.27	- 171.16
CZ-DE_50HZT	- 583.12	- 702.72
CZ-DE_TENNET	256.89	170.46
CZ-PL	- 716.01	- 615.92
CZ-SK	199.17	233.72
DE-PL	977.63	802.13
HU-SK	- 206.34	- 219.98
PL-SK	262.07	186.88
AT-CH	639.64	588.53
AT-IT	- 46.75	- 57.63
CH-DE	- 1,033.45	- 917.65
CH-FR	1,291.18	1,229.34
CH-IT	386.60	226.43
FR-IT	- 343.27	- 344.08
GR-IT-BRI	- 247.20	- 226.43
IT-SI	- 2.78	- 179.57
BE-FR	776.66	748.43
BE-NL	- 771.59	- 737.49
DE-FR	- 2,409.37	- 2,326.86
DE-NL	757.03	718.57

Figure 60, page 150: Absolute aggregate sum of unscheduled flows for three regions – 2012–2013 (TWh)

Source: Vulcanus (2014) and ACER calculations

	CEE		CSE		CWE	
	2012	2013	2012	2013	2012	2013
AT-CH			5,690,611	5,455,408		
AT-CZ	7,406,163	8,162,980				
AT-DE	8,447,377	10,076,793				
AT-HU	2,303,065	1,913,262				
AT-IT			537,270	708,104		
AT-SI	2,296,754	2,396,762				
BE-FR					7,223,343	7,230,496
BE-NL					7,167,754	7,143,205
CH-DE			9,420,005	8,765,053		
CH-FR			11,656,938	11,058,173		
CH-IT			4,064,415	3,455,086		
CZ-DE_50HZT	5,249,140	6,322,109				
CZ-DE_TENNET	3,231,642	2,594,283				
CZ-PL	6,296,641	5,534,005				
CZ-SK	2,225,207	2,547,882				
DE-FR					21,171,098	20,346,945
DE-NL					7,089,435	7,027,192
DE-PL	8,592,987	7,371,834				
FR-IT			3,809,637	3,852,806		
HU-SK	2,157,412	2,506,138				
IT-SI			1,256,088	2,145,038		
PL-SK	2,333,495	2,191,851				

Figure 62, page 156: Estimated loss of social welfare due to unscheduled flows in the CEE, CSE and CWE regions – 2011, 2012, 2013

Source: ENTSO-E, Vulcanus, EMOS (2014) and ACER calculations

	LF in indicated direction	LF in opposite direction	UTF in indicated direction	UTF in opposite direction	Total UF	
DE-NL						
2011	3,000,344	17,350	349,734	53,059	3,420,486	*
2012	25,575,723	3,632	23,983,442	37,412	49,600,209	*
2013	58,870,065	-	45,451,218	-	104,321,283	*
PL-CZ						
2011	24,111,681	- 125,865	- 48,218	164,459	24,102,058	
2012	21,432,231	- 52,132	5,221,420	76,943	26,678,462	
2013	21,304,598	- 1,417,601	2,829,602	2,480,803	25,197,402	
CH-IT						
2011	22,348,740	- 30,947	1,833,706	68,981	24,220,480	
2012	24,993,805	79,114	43,798,073	82,461	68,953,452	
2013	6,702,667	63,449	24,154,759	64,934	30,985,809	
DE-PL						
2011	12,497,482	- 1,008,684	2,719,547	1,315,874	15,524,219	
2012	18,219,211	- 1,037	9,855,564	2,527	28,076,264	
2013	17,674,289	- 725,890	8,134,415	962,267	26,045,081	
SK-HU						
2011	11,351,062	- 964,024	1,878,291	2,068,750	14,334,080	
2012	24,914,489	- 437,771	3,235,052	763,178	28,474,948	
2013	10,893,785	8,443	4,559,305	2,218	15,463,750	
DE-CH						
2011	30,132,652	1,084	57,498,912	2,409	87,635,056	
2012	5,975,798	293,942	88,933,322	- 114,991	95,088,071	
2013	11,035,767	616,988	69,706,571	- 171,553	81,187,774	
FR-DE						
2011	30,270,749	-	7,437,564	-	37,708,313	
2012	4,082,224	- 52,087	1,306,826	60,664	5,397,627	
2013	11,947,316	-	3,859,230	-	15,806,546	
AT-CH						
2011	3,175,391	3,467	21,418,495	25,020	24,622,373	
2012	25,619,058	- 25,360	28,470,550	112,155	54,176,404	
2013	14,287,308	- 56,217	28,213,255	128,738	42,573,084	
SI-IT						
2011	3,465,864	-	10,498,618	-	13,964,483	
2012	17,929,454	- 0	- 3,323,001	0	14,606,454	
2013	8,806,952	11,806	25,630,669	49,593	34,499,019	

AT-IT								
2011	8,286,999	-	24,390	-	6,098,996	88,105	2,251,717	
2012	4,376,217	-	2,837	-	2,001,983	16,643	2,388,040	
2013	4,874,659	-	27,002	-	1,658,806	70,228	3,259,079	
PL-SK								
2011	5,198,402	-	141,630		5,847,156	361,329	11,265,258	
2012	2,626,481		13,634		6,025,440	2,236	8,667,791	
2013	4,185,890		48,811		3,018,244	1,543,202	8,796,147	
CH-FR								
2011	1,166,562		-		8,524,164	-	9,690,725	
2012	6,352,456		9,668		12,519,038	67,800	18,948,960	
2013	2,170,022		52,268		14,694,695	135,960	17,052,945	
CZ-AT								
2011	3,389,920		75,138		9,889,174	167,504	13,521,737	
2012	1,955,985		4,819		11,844,942	2,934	13,808,679	
2013	3,157,242		25,007		14,869,092	61,174	18,112,515	
CZ-SK								
2011	343,976		-	-	180,530	-	163,446	
2012	2,484,739		-	-	1,006,985	-	1,477,754	
2013	1,892,043		-	-	170,019	-	1,722,024	
SI-AT								
2011	1,606,528	-	1,067,579	-	31,301	1,958,942	2,466,591	
2012	1,184,697		1,012,808		723,664	-	76,884	2,844,284
2013	1,677,369		1,264,038		596,756	57,819	3,595,982	
AT-HU								
2011	1,571,204		306,595		38,544	661,869	2,578,212	
2012	733,582		544,511	-	386,823	1,259,356	2,150,626	
2013	117,723		1,114,379		983,971	596,474	2,812,546	
DE-CZ								
2011	-	1,387,077	2,663,892		5,926,936	-	1,168,855	6,034,896
2012	-	3,504,402	2,282,703		9,796,603	-	1,181,963	7,392,940
2013	-	1,857,907	3,191,573		10,785,971	-	1,688,124	10,431,513
FR-BE								
2011	-	2,714,069	36,457		3,023,890	-	15,958	330,320
2012	-	269,170	-	1,516,781	420,396		4,950,138	3,584,584
2013	-	3,978,676	538,459		5,515,242	-	239,315	1,835,709
BE-NL								
2011	-	6,772,752	1,496,211		14,009,484	-	737,462	7,995,481
2012	-	821,515	1,704,874		1,282,384		81,026	2,246,770
2013	-	6,947,557	4,887,434		11,269,798	-	429,875	8,779,800
FR-IT								
2011	-	36,314,501	266,491		54,978,336		307,606	19,237,932
2012	-	14,849,944	3,980,435		29,744,615	-	373,594	18,501,511
2013	-	11,176,614	322,045		22,525,868		1,218,218	12,889,516

\*  
\*  
\*

\* These numbers have been updated compared to the previous version of this file with the 'Public data underlying the published figures'

Figure 64, page 160: Average curtailed capacities and number of curtailed hours per border – 2012 and 2013 (MW and hours/year)

Source: Data provided by NRAs through the ERI (2014)

	Average curtailment (MW)		Number of hours/year	
	2012	2013	2012	2013
FR->UK	683	416	2,477	1,595
UK->IE		418		3,293
FR->IT	44	577	20	245
GR->IT	489	447	243	991
CH->IT	265	361	691	698
UK->FR	689	393	3,061	1,432
SI->IT		91		334
AT->IT	126	63	29	268
ES->FR	557	248	97	57
UK->NL	123	156	7	9
NL->UK	270	453	107	62
IT->GR	500	469	208	864
FR->CH	342	159	68	163
FR->ES	300	118	132	7
BG->GR	56	245	24	59
DE->CH	390	280	26	24
UA->HU		193		629
IE->UK		397		3,293
CH->DE	2,272	2,369	24	24
IT->CH		947		24
GR->TR		184		3
CH->AT	348	190	72	26
IT->AT	73	52	58	70
GR->BG	260	195	24	59
TR->GR		67		3
ES->PT		-		4
DK->DE	142		13	
AT->CH	159		23	
DE->NL	26		6	
PL->SK	202		57	
RO->HU	327		217	
PT->ES		-		4
RO->BG	134		221	

Figure 65, page 161: Total curtailment costs per border – 2013 (in euros)

Source: Data provided by NRAs through the ERI (2013) and ACER calculations

	2012	2013
DKw->DEttg	13,690	
PT->ES		-
DE->NL	4,700	
PL->SK	31,288	
RO->BG	-	
RO->HU	-	
ES->PT		-
TR->GR		62
GR->BG	24	115
IT->AT	589	301
CH->AT	2,081	783
GR->TR		1,518
IT->CH		2,564
CH->DE	8,205	2,681
IE->UK		6,033
UA->HU		8,831
DE->CH	35,115	12,643
BG->GR	2,400	24,068
FR->ES	114,263	69,357
FR->CH	146,186	82,229
IT->GR	33,825	111,359
NL->UK	88,026	139,902
UK->NL	271	197,946
ES->FR	328,482	211,612
AT->IT	57,179	328,270
SI->IT		502,712
UK->FR	3,326,577	807,553
CH->IT	2,660,783	1,832,740
GR->IT	659,035	2,418,188
FR->IT	19,816	3,022,625
UK->IE		5,661,833
FR->UK	9,239,274	8,942,479



Figure 66, page 162: Congestion revenues – 2013 (in euros)

Source: Data provided by NRAs through the ERI (2014) and ACER calculations

	Unspecified	Interconnection investments	Lowering transmission tariffs	Other
RO		5,299,207	-	-
PT		-	5,648,199	-
HR		6,970,000	-	-
CZ		8,557,256	2,838,744	-
LV		13,370,280	-	837,932
EE		-	13,261,333	946,880
PL		16,667,521	-	-
FI		18,330,000	-	450,000
GR		-	22,010,274	-
SK		24,993,960	-	-
BG		-	28,263,564	-
HU		-	37,557,079	-
SE	41,167,941	5,088,172	-	2,434,532
SI		29,373,735	18,946,628	5,040
AT		50,222,832	-	5,673,893
ES		-	60,530,249	219,333
DK		1,000,000	64,000,000	-
CH		100,536,000	-	5,964,000
BE	128,145,432	-	-	-
NL	163,787,000	-	-	-
GB	184,432,502	-	-	-
IT	275,940,000	-	-	-
FR		-	368,000,000	-

Figure 67, page 165: EU-26 gas consumption - 2013 (TWh/year and % variation with respect to 2012)

Source: Eurostat's gross annual inland consumption monthly data (Data series nrg\_ind\_103m in TJ (GCV), 8 May 2014) and ACER calculations

	2012 demand in TWh	2013 demand in TWh	var
DE	869	924	6.4%
UK	856	848	-0.9%
IT	793	741	-6.5%
FR	470	485	3.1%
NL	422	430	1.9%
ES	365	337	-7.7%
BE	185	183	-0.9%
PL	176	177	0.9%
RO	144	133	-7.5%
HU	111	99	-10.7%
AT	95	90	-5.4%
CZ	87	89	3.0%
SK	70	63	-9.9%
IE	54	52	-3.0%
PT	52	50	-3.8%
GR	47	42	-11.8%
DK	43	41	-4.2%
FI	39	37	-5.5%
BG	29	30	4.3%
LT	34	28	-18.5%
HR	28	27	-4.7%
LV	16	15	-1.0%
SE	13	12	-4.8%
LU	14	11	-15.0%
SI	8	9	6.9%
EE	7	7	1.7%

Figure 73, page 176: Gas wholesale prices in EU MSs compared with market concentration and gas demand - 2013 (euros/MWh) Oil and gas hub price evolution in Europe - 2008-2014 (index)

Source: Eurostat, Comext, Platts, Frontier, and NRAs data (2014) and ACER calculations

	HHI GAS *	Gas wholesale prices MS 2013
AUSTRIA	7,500	26.95
BELGIUM	1,709	26.97
BULGARIA	7,587	32.05
CROATIA	5,987	35.05
CZECH REPUBLIC	9,051	30.71
DENMARK	2,570	27.57
ESTONIA	10,000	33.37
FINLAND	10,000	35.10
FRANCE	1,240	29.86
GERMANY	1,982	27.22
GREECE	5,181	32.24
HUNGARY	3,198	30.63
IRELAND	1,215	27.00
ITALY	2,093	30.91
LATVIA	10,000	32.14
LITHUANIA	10,000	37.45
LUXEMBOURG	3,185	28.00
NETHERLANDS	2,488	27.19
POLAND	4,550	27.50
PORTUGAL	2,821	29.26
ROMANIA	3,270	28.52
SLOVAKIA	9,595	30.70
SLOVENIA	5,027	31.03
SPAIN	2,000	27.27
SWEDEN	2,766	33.30
UNITED KINGDOM	950	27.65

\* These numbers have been updated compared to the previous version of this file with the 'Public data underlying the published figures'

Figure 74, page 178: Wholesale level of gross welfare losses per EU average household consumer in EU-26 - 2013 (euros/year)

Source: Eurostat Comext, Platts, NRAs, CEER Database Indicators data (2014) and ACER calculations

gross welfare loss per 15 MWh of demand

	EUR
LT	153.09
FI	120.66
HR	119.20
SE	99.15
EE	89.69
GR	77.55
BG	73.22
LV	68.28
SI	59.55
IT	57.65
SK	53.56
HU	53.21
CZ	52.21
FR	39.88
PT	36.08
RO	22.03
LU	11.20
DK	8.24
UK	4.05
SP	2.13
DE	1.84
PL	1.00
AT	-
BE	-
IE	-
NL	-

Figure 77, page 183: Potential annual net welfare gains in different EU MSs if cross-border physical unused capacities were fully utilised - 2013 basis, monthly aggregated (millions euro per year)

Source: IEA, Eurostat, Platts, ENTSOG (2014) and ACER calculations

Row Labels	Physical Capacity optimisation: New entrant sells gas with a 25% of profit	Physical Capacity optimisation: New entrant sells gas at 75% of profit	Peak Capacity optimisation: New entrant sells gas with a 25% of profit	Peak Capacity optimisation: New entrant sells gas with a 75% of profit
Italy from Germany	268.25	89.42	80.42	26.81
6% Pk Cp	268.25	89.42	80.42	26.81
21% Ph Cp	268.25	89.42	80.42	26.81
Italy from Austria	234.17	78.06	12.74	4.25
1% Pk Cp	234.17	78.06	12.74	4.25
14% Ph Cp	234.17	78.06	12.74	4.25
Czech Republik from Germany	207.51	69.17	-	-
(blank)	207.51	69.17	-	-
100% Re Cp	207.51	69.17	-	-
France from Belgium (H)	150.67	50.22	66.89	22.30
8% Pk Cp	150.67	50.22	66.89	22.30
17% Ph Cp	150.67	50.22	66.89	22.30
France from Germany	144.26	48.09	57.69	19.23
8% Pk Cp	144.26	48.09	57.69	19.23
21% Ph Cp	144.26	48.09	57.69	19.23
Slovakia from Austria	138.19	46.06	-	-
(blank)	138.19	46.06	-	-
88% Re Cp	138.19	46.06	-	-
Lithuania from Latvia	87.13	29.04	87.11	29.04

81% Pk Cp	87.13	29.04	87.11	29.04
81% Ph Cp	87.13	29.04	87.11	29.04
Bulgaria from Romania	64.09	21.36	53.80	17.93
81% Pk Cp	64.09	21.36	53.80	17.93
96% Ph Cp	64.09	21.36	53.80	17.93
Croatia from Hungary	47.46	15.82	40.65	13.55
53% Pk Cp	47.46	15.82	40.65	13.55
61% Ph Cp	47.46	15.82	40.65	13.55
Sweden from Denmark	41.37	13.79	38.65	12.88
74% Pk Cp	41.37	13.79	38.65	12.88
79% Ph Cp	41.37	13.79	38.65	12.88
Hungary from Austria	31.52	10.51	6.99	2.33
4% Pk Cp	31.52	10.51	6.99	2.33
16% Ph Cp	31.52	10.51	6.99	2.33
France from Spain	27.85	9.28	-	-
(blank)	27.85	9.28	-	-
9% Re Cp	27.85	9.28	-	-
Croatia from Slovenia	22.35	7.45	12.38	4.13
17% Pk Cp	22.35	7.45	12.38	4.13
28% Ph Cp	22.35	7.45	12.38	4.13
Portugal from Spain	21.48	7.16	20.00	6.67
45% Pk Cp	21.48	7.16	20.00	6.67
62% Ph Cp	21.48	7.16	20.00	6.67
Slovenia from Austria	11.06	3.69	0.96	0.32
4% Pk Cp	11.06	3.69	0.96	0.32
47% Ph Cp	11.06	3.69	0.96	0.32
Estonia from Latvia	1.67	0.56	1.67	0.56
100% Pk Cp	1.67	0.56	1.67	0.56
100% Ph Cp	1.67	0.56	1.67	0.56

Figure 79, page 187: Average used versus booked capacity at natural gas lps in the EU - 2012-2013 (GWh/day)  
Source: ENTSOG transparency platform and individual TSO data (2014) and ACER calculations

IP sorted by capacity		Firm technical capacity	Average firm contracted capacity	Average used capacity	Peak capacity utilisation on monthly average
Velke Kapusany	UA to SK 2012	3059	2906.05*	1468.32	1957.76
	UA to SK 2013	2548	2395.12*	1528.8	1885.52
Baumgarten	SK to AT 2012	1612	1595.88	999.44	1289.6
	SK to AT 2013	1560	1544.4	1185.6	1357.2
Lanzhot	SK to CZ 2012	1268	1255.32	532.56	925.64
	SK to CZ 2013	780	772.2	351	468
Arnoldstein / Tarvisio	AT to IT 2012	1185	1185	639.9	924.3
	AT to IT 2013	1185	1185	912.45	1161.3
Waidhaus	CZ to DE 2012	1017	925.47	549.18	701.73
	CZ to DE 2013	1017	884.79	610.2	762.75
Mallnow	PL to DE 2012	932	932	717.64	904.04
	PL to DE 2013	932	932	848	913
Interconnector	BE to UK 2012	805	805	136.85	193.2
	BE to UK 2013	805	805	185.15	571.55
	UK to BE 2012	632	632	189.6	366.56
	UK to BE 2013	632	632	158	202.24
Nordstream	RU to DE 2012	761.5	441.67	380.75	441.67
	RU to DE 2013	949	854.1	673.79	854.1
Emdem ETP	NO to NL 2012	635	577.85	285.75	393.7
	NO to NL 2013	705	669.75	303.15	380.7
Medelsheim / Obergailbach	DE to FR 2012	648	492.48	291.6	369.36
	DE to FR 2013	648	531.36	349.92	518.4
Taisnieres (H)	BE to FR 2012	570	376.2	307.8	376.2
	BE to FR 2013	570	376.2	302.1	376.2
Dunkerque	NO to FR 2012	585	532.35	491.4	532.35
	NO to FR 2013	585	532.35	450.45	544.05
Julianadorp	NL to UK 2012	454	426.76	195.22	299.64
	NL to UK 2013	454	349.58	172.52	286.02
Bocholtz	NL to DE 2012	451	451	239.03	378.84
	NL to DE 2013	451	423.94	279.62	342.76
Tarifa	AL to ES 2012	355	259.15	220.1	259.15
	AL to ES 2013	355	266.25	234.3	262.7
Larrau	FR to ES 2012	100	100	91	100
	FR to ES 2013	165	165	128.7	165

\* These numbers have been updated compared to the previous version of this file with the 'Public data underlying the published figures'

Figure 81, page 193: EU-26 gas demand versus gas storage withdrawal - 2010-2014 (GWh)

Source: Eurostat, Gas Infrastructure Europe (2014)

	<b>Demand (GWh)</b>	<b>Storage withdrawal (mcm)</b>
01/10/2010	444,696	1,682
01/11/2010	549,666	4,568
01/12/2010	742,251	14,408
01/01/2011	708,762	9,766
01/02/2011	607,515	8,112
01/03/2011	558,163	4,647
01/04/2011	367,161	284
01/05/2011	336,324	245
01/06/2011	295,456	96
01/07/2011	284,042	66
01/08/2011	263,801	252
01/09/2011	294,349	342
01/10/2011	381,076	585
01/11/2011	491,844	3,955
01/12/2011	563,059	8,255
01/01/2012	607,431	9,449
01/02/2012	662,696	16,011
01/03/2012	453,988	3,187
01/04/2012	404,876	1,607
01/05/2012	305,917	297
01/06/2012	268,311	195
01/07/2012	263,128	165
01/08/2012	243,803	147
01/09/2012	285,106	626
01/10/2012	380,310	1,256
01/11/2012	473,772	4,975
01/12/2012	584,377	9,680
01/01/2013	642,705	13,142
01/02/2013	590,640	13,224
01/03/2013	608,320	11,421
01/04/2013	405,789	3,182
01/05/2013	312,858	605
01/06/2013	264,099	234
01/07/2013	252,848	529
01/08/2013	244,099	422
01/09/2013	293,541	389
01/10/2013	332,679	543
01/11/2013	477,769	5,594
01/12/2013	562,602	8,598
01/01/2014	553,196	8,640
01/02/2014	470,598	7,660
01/03/2014	453,988	3,992



Figure 82, page 194: EU-26 seasonal demand and average seasonal day-ahead prices for the main hubs in europe - 2010-2014 (GW and euros/WH)  
Source: Eurostat, Platts (2014) and ACER calculations

	EU hubs average season+1 price (Euro/MWh)	Main EU hubs average day ahead price (Euro/MWh)	EU-28 demand (GWh)
Summer 10	13.75	18.43	2,047,948
Winter 10/11	19.69	22.23	3,611,053
Summer 11	22.3	23.17	1,841,133
Winter 11/12	27	24.81	3,160,094
Summer 12	24.78	25.07	1,771,140
Winter 12/13	27.07	27.68	3,280,125
Summer 13	26.68	26.78	1,773,232
Winter 13/14	27.4	25.93	2,850,832

Figure 83, page 195: Gas storage seasonal injection versus end-of-season aggregate stock level - summer 2010 to winter 2014/14 (mcm)

Source: Gas Infrastructure Europe (2014) and ACER calculations

	Seasonal injection	Season end stock level
Summer 2010	37,734	64,885
Winter 2010/2011	7,272	28,851
Summer 2011	41,112	68,036
Winter 2011/2012	5,884	32,628
Summer 2012	36,877	66,519
Winter 2012/2013	4,741	18,371
Summer 2013	45,786	61,155
Winter 2013/2014	9,183	35,109

Figure 86, page 208: Share of disconnections due to non-payment in % of household consumer metering points - 2013

Source: CEER Database, National Indicators (2014)

COUNTRY	Share (%) in ...	
	Electricity	Gas
GB	0.000020%	0.000004%
BE (F)	0.04%	0.10%
LT	0.13%	0.07%
IT	0.25%	1.54%
LU	0.31%	0.28%
BE (W)	0.43%	0.33%
IE	0.50%	0.90%
HU	0.63%	1.44%
AT	0.70%	0.68%
DE	0.75%	0.34%
SI	0.83%	1.01%
SK	0.96%	1.24% **
RO	2.00%	
GR	4.20%	2.00%
PT	6.70%	4.30%

\*\*Other reasons for disconnection included

Figure 87, page 211: Share of vulnerable consumers in a selection of MSs - 2013 (in % of household consumer metering points)

Source: CEER Database, National Indicators (2014)

COUNTRY	Electricity	Gas
LT	0.0%	
SI	0.0%	
PT	1.0%	0.4%
IE	1.3%	1.1%
CY	3.3%	
IT	3.7%	3.2%
FR	6.0%	6.0%
BE	8.4%	8.5%
EE	9.9%	
MT	10.8%	
GR	11.0%	0.022%
RO	12.5%	

Estimates

Figure 88, page 212: Legal requirements for information to consumers about price changes for fixed-price contracts - 2013

Source: CEER Database, National Indicators (2014)

in amount of member states

	Electricity
Have a specified number of days	12
Do not have a specified number of days	5
No requirements	2
Not allowed to change the price	7

	Gas
Have a specified number of days	12
Do not have a specified number of days	4
No requirements	1
Not allowed to change the price	6

Figure 89, page 213: Number of days in advance that household consumers are informed about energy price changes - fixed-price contracts (legal perspective) - 2013 (days)

Source: CEER Database, National Indicators (2014)

	Electricity	Gas
Spain		44
Slovak Republic	30	30
Luxembourg	30	
Lithuania	22	30
Latvia	30	
Italy	90	90
Ireland	30	30
Greece	30	30
France	30	30
Estonia		30
Denmark	90	90
Czech Republic	30	30
Croatia	15	30
Belgium	61	61

Figure 90, page 214: Legal requirements for information to consumers about price changes for variable-price contracts - 2013 (% of jurisdictions)

Source: CEER Database, National Indicators (2014)

	electricity	gas
No requirements	22%	14%
Do not have a specified number of days	35%	43%
Have a specified number of days	43%	43%

Figure 91, page 215: Number of days in advance that household consumers are informed about energy price changes - variable-price contracts (legal perspective)

Source: CEER Database, National Indicators (2014)

	Electricity	Gas
Spain**		44
Slovenia*	30	
Romania*	11	
Lithuania**	22	30
Latvia**	30	20
Ireland	30	30
Great Britain	42	42
France	30	30
Finland	30	30
Denmark	90	90
Czech Republic	30	30



Figure 92, page 216: Information on consumer bills - 2013 (number of jurisdictions)  
Source: CEER Database, National Indicators (2014)

	Electricity	Gas
Other	13	9
Energy mix	19	5
Duration of contract	12	11
Estimated consumption	26	20
Actual consumption	27	23
Breakdown of price	25	21
Consumption period	26	23
DSO details	15	18
Suppliers' details	25	24
Payment modalities	21	17
Switching information	8	5
Customers' rights regarding dispute settlement	19	16
Single point of contact	13	12

Figure 93, page 217: Single point of contract - 2013 (number of countries)  
Source: CEER Database, National Indicators (2014)

	Electricity	Gas
NRA	10	11
Energy Ombudsman	1	1
Government	2	2
Consumer Organisation	1	1
More than one single point	10	9
No single point exists	3	2
Other	1	1

Figure 94, page 218: Choice of payment methods - 2013 (number of countries)  
 Source: CEER Database, National Indicators (2014)

	Direct debit	Bank transfer	Credit Card	Prepaid contracts / advanced payment	Other
electricity	24	25	15	17	14
discounts depending on the payment method (by number of countries)	12	12	12	12	12
gas	21	23	9	11	8

Figure 95, page 219: Supplier switching in electricity - 2013 (number of working days)  
Source: CEER Database, National Indicators (2014)

	Legal perspective	Practical perspective
AT	21	42
CR	20	20
CY	15	20
CZ	10	90
DE	15	
DK	10	10
FR	21	1
GB	21	
GR	36	
HU	15	
IE	15	5
IT	26	
LV	15	15
LT	15	15
LU	15	
PL	21	21
PT	15	5
RO	15	15
SK	21	21
SI	15	25
ES	15	
SE	14	
NL	20	20

Figure 96, page 220: Share of households with smart meters - 2013 (%)  
Source: CEER Database, National Indicators (2014)

	electricity
AT	3.5%
CZ	1.0%
DE	48.7%
FI	96.0%
FR	0.8%
GB	0.6%
IT	97.7%
PL	2.5%
SL	34.0%
ES	29.0%
SE	100.0%
NL	6.0%

Figure 97, page 221: Frequency of billing information based on actual electricity consumption - 2013 - (number of countries)

Source: CEER Database, National Indicators (2014)

	Legal perspective	Practical perspective
Monthly	5	5
Bi monthly	3	3
Quarterly	2	3
Bi annually	2	2
Annually	11	9
Less often than annually	1	

Figure 98, page 221: Frequency of billing information based on actual gas consumption - 2013 - (number of countries)

Source: CEER Database, National Indicators (2014)

	Legal perspective	Practical perspective
Monthly	1	3
Bi montly	3	2
Quarterly	3	1
Bi annually	1	0
Annually	8	7
Less often than annually	1	

Figure 99, page 222: Frequency of receipt of information on actual electricity consumption - 2013 (number of countries)

Source: CEER Database, National Indicators (2014)

	Legal perspective	Practical perspective
Monthly	4	4
Bi montly	3	3
Quarterly	1	3
Bi annually	3	3
Annually	12	9
Less often than annually	1	1



Figure 100, page 222: Frequency of receipt of information on actual gas consumption - 2013 (number of countries)

Source: CEER Database, National Indicators (2014)

	Legal perspective	Practical perspective
Daily	1	1
Monthly	1	3
Bi montly	3	3
Quarterly	2	1
Bi annually		1
Annually	10	8
Less often than annually	1	1

Figure 101, page 225: Number of customer complaints to suppliers and DSOs per 100,000 inhabitants for a section of countries - 2013

Source: CEER Database, National Indicators (2014)

COUNTRY	Complaints received by suppliers per 100.000 inhabitants	Complaints received by DSOs per 100.000 inhabitants
AT	253.2	15.9
BE	49	357
BG	3.9	3.9
CY	79	4.4
GR	100.4	27.1
HU	79.1	41.5
IT	632	0
LV	0	32.8
LT	24.8	24.8
PT	481.9	529.3
RO	0	386.1
SK	494.5	212.4
SI	603.2	161.6

Figure 102, page 226: Number of complaints at ADRs and NRAs per 100,000 inhabitants, for a selection of countries - 2013

Source: CEER Database, National Indicators (2014)

COUNTRY	Complaints received by ADR per 100.000 inhabitants	Complaints received by NRA per 100.000 inhabitants
AT	36.3	36.3
BE	0	11.9
BG	0	0.6
CY	3.9	3.9
CZ	77.2	38.1
EE	0	0.5
FR	24	0
DE	11.9	21.7
GB	19	0
GR	1.7	1.2
HU	0	53
IE	14.1	14.1
IT	0	67
LV	0	3.9
LT	0.6	1.6
LU	0.6	0
NO	5.3	0.4
PL	0	4
PT	0	47.2
RO	0	12.4
SK	0	19.8
SI	0.3	1
ES	0	5.7
SE	0.7	1.5
NL	0	27.9

Figure 103, page 230: Processing time set for service providers to deal with complaints - 2013  
 Source: CEER Database, National Indicators (2014)

	1 Month		2 Months		Other	
	Electricity	Gas	Electricity	Gas	Electricity	Gas
Legal perspective	8	6	4	5	9	5
Practical perspective	6	4	1	2	7	5

Figure A5, page 254: Electricity household and industrial consumer price levels per MS per band (euro cents/kWh)

Source: ACER, based on Eurostat (21/7/2014)

		household	industrial	Between
AT	A	31.47	18.11	13.36
	B	23.44	15.76	7.68
	C	20.50	13.31	7.19
	D	18.69	11.69	7.01
	E	17.27	10.26	7.01
	F		9.55	9.55
	G			11.24
BE	A	29.18	21.28	7.91
	B	23.72	17.39	6.33
	C	21.94	13.15	8.79
	D	19.87	11.64	8.23
	E	17.11	9.18	7.94
	F		7.96	7.96
	G			
BG	A	9.19	12.29	3.10
	B	9.03	10.91	1.88
	C	9.03	9.24	0.21
	D	9.09	7.99	1.10
	E	9.12	7.03	2.09
	F		6.43	6.43
	G		6.38	6.38
CY	A	28.97	28.86	0.11
	B	26.06	26.51	0.45
	C	26.21	24.04	2.17
	D	25.91	22.62	3.30
	E	25.16	20.66	4.50
	F		20.07	20.07
	G			
CZ	A	31.86	22.33	9.53
	B	23.27	17.86	5.42
	C	15.09	12.18	2.92
	D	13.05	11.66	1.40
	E	11.52	11.46	0.05
	F		12.02	12.02

	G			
DE	A	42.62	30.79	11.83
	B	31.73	21.66	10.07
	C	29.20	18.91	10.30
	D	27.80	16.97	10.83
	E	26.90	15.17	11.73
	F		13.94	13.94
	G			
DK	A	32.61	22.45	10.16
	B	32.61	25.85	6.76
	C	29.68	24.80	4.89
	D	22.45	24.75	2.30
	E	22.45	23.65	1.20
	F		23.65	23.65
	G			
EE	A	14.16	13.80	0.36
	B	13.91	12.45	1.47
	C	13.59	11.67	1.93
	D	13.17	10.83	2.35
	E	11.74	9.80	1.94
	F		8.41	8.41
	G			
ES	A	38.69	29.30	8.39
	B	24.97	18.35	5.74
	C	22.51	14.68	6.84
	D	20.14	12.86	6.53
	E	18.27	10.48	7.89
	F		8.81	8.81
	G		7.38	7.38
EU28	A	30.12	23.22	6.90
	B	21.41	17.57	3.84
	C	20.01	14.78	5.24
	D	19.24	13.20	6.04
	E	18.28	11.73	6.56
	F		10.69	10.69
	G			
FI	A	29.65	11.93	17.72
	B	20.03	11.07	8.97
	C	15.69	9.29	6.40
	D	13.83	8.86	4.97
	E	11.79	7.41	4.38
	F		7.33	7.33
	G			
FR	A	27.55	15.60	11.95
	B	17.45	13.06	4.39
	C	15.31	10.82	4.49
	D	14.06	9.36	4.70

	E	12.80	8.46	4.35
	F		7.20	7.20
	G			
GR	A	20.16	21.83	1.68
	B	15.36	17.99	2.64
	C	16.30	14.06	2.25
	D	17.74	12.08	5.66
	E	17.30	10.72	6.58
	F		7.69	7.69
	G			
HR	A	22.81	15.87	6.94
	B	14.80	13.95	0.85
	C	13.61	11.83	1.78
	D	12.98	10.06	2.92
	E	12.56	7.97	4.60
	F		8.22	8.22
	G			
HU	A	15.36	14.16	1.21
	B	14.26	13.50	0.76
	C	13.62	12.20	1.42
	D	13.10	11.91	1.19
	E	13.58	12.10	1.48
	F		11.88	11.88
	G		11.98	11.98
IE	A	62.45	22.10	40.36
	B	28.91	18.20	10.71
	C	23.50	15.38	8.13
	D	20.49	12.80	7.69
	E	17.70	11.22	6.48
	F		10.20	10.20
	G			
IT	A	27.76	32.17	4.42
	B	19.82	23.31	3.49
	C	23.08	19.73	3.35
	D	28.76	17.56	11.20
	E	30.87	14.76	16.11
	F		12.54	12.54
	G		11.13	11.13
LT	A	14.28	17.56	3.28
	B	14.03	15.66	1.63
	C	13.81	14.87	1.07
	D	13.47	14.46	1.00
	E	12.67	15.36	2.70
	F			
	G			
LU	A	23.19	17.37	5.82
	B	18.26	12.23	6.04

	C	16.56	10.53	6.03
	D	15.16	7.78	7.38
	E	13.95	6.52	7.43
	F			
	G			
LV	A	11.66	17.54	5.88
	B	12.61	14.96	2.36
	C	13.68	13.78	0.10
	D	14.30	12.75	1.55
	E	14.18	12.69	1.49
	F		11.93	11.93
	G			
MT	A	39.00	30.45	8.55
	B	20.00	21.00	1.00
	C	17.00	18.90	1.90
	D	18.00	16.80	1.20
	E	33.00	15.75	17.25
	F			
	G			
NL	A		14.08	14.08
	B	11.38	15.18	3.80
	C	19.16	11.52	7.64
	D	22.82	10.27	12.55
	E	18.48	8.94	9.54
	F		8.51	8.51
	G			
NO	A	44.86	11.41	33.46
	B	27.97	11.61	16.36
	C	18.44	11.45	6.99
	D	13.22	9.39	3.83
	E	11.66	7.94	3.72
	F		7.08	7.08
	G			
PL	A	18.51	18.56	0.05
	B	15.22	14.27	0.95
	C	14.59	11.12	3.47
	D	13.95	9.52	4.43
	E	13.66	8.80	4.86
	F		8.36	8.36
	G		8.41	8.41
PT	A	33.80	22.69	11.11
	B	23.25	17.52	5.73
	C	21.06	14.07	7.00
	D	19.57	12.68	6.89
	E	19.14	11.22	7.92
	F		10.05	10.05
	G			



RO	A	13.37	16.11	2.74
	B	13.25	14.57	1.32
	C	13.01	12.61	0.40
	D	12.79	10.95	1.84
	E	12.46	9.92	2.54
	F		9.68	9.68
	G			
SE	A	36.15	18.50	17.65
	B	22.74	10.99	11.75
	C	20.74	9.70	11.04
	D	17.60	8.51	9.09
	E	15.67	7.59	8.08
	F		6.74	6.74
	G			
SI	A	24.73	18.54	6.19
	B	19.31	14.55	4.76
	C	16.34	11.57	4.77
	D	14.56	10.32	4.24
	E	13.01	9.20	3.81
	F		8.80	8.80
	G			
SK	A	26.76	24.43	2.33
	B	19.13	18.32	0.81
	C	16.88	15.33	1.55
	D	15.05	14.00	1.06
	E	13.32	12.62	0.71
	F		12.68	12.68
	G		11.92	11.92
UK	A	21.31	18.63	2.69
	B	19.26	16.04	3.22
	C	17.69	14.06	3.64
	D	16.12	12.90	3.22
	E	14.81	12.77	2.04
	F		12.54	12.54
	G		12.05	12.05

Figure A6, page 255: Gas household and industrial consumer price levels per MS per band (euro cents/kWh)

Source: ACER, based on Eurostat (21/7/2014)

	Band	household	industrial
AT	1	9.11	7.04
	2	7.61	5.97
	3	6.73	5.19
	4		4.55
	5		4.12
	6		
BE	1	9.10	6.34
	2	6.64	5.39
	3	6.07	4.42
	4		3.60
	5		3.59
	6		3.42
BG	1	5.24	4.71
	2	5.16	4.48
	3	5.20	4.26
	4		3.87
	5		3.75
	6		
CZ	1	9.37	5.46
	2	6.08	4.40
	3	5.83	4.04
	4		3.72
	5		3.61
	6		
DE	1	10.90	6.19
	2	6.75	6.19
	3	6.33	5.69
	4		4.47
	5		3.94
	6		3.84
DK	1	11.21	11.21
	2	11.21	11.21
	3	11.21	9.32
	4		9.18
	5		

	6		
EE	1	6.31	4.82
	2	5.00	4.68
	3	4.68	4.37
	4		4.19
	5		4.16
	6		
ES	1	10.00	6.29
	2	8.12	5.68
	3	6.99	4.63
	4		4.16
	5		3.95
	6		3.93
EU28	1	9.61	6.56
	2	6.81	5.84
	3	6.20	4.88
	4		4.09
	5		3.70
	6		
FI	1		
	2		6.81
	3		5.91
	4		5.89
	5		5.50
	6		
FR	1	13.27	7.34
	2	7.04	5.90
	3	5.95	4.70
	4		3.72
	5		3.39
	6		
GR	1	11.21	6.08
	2	8.30	6.13
	3	7.31	5.85
	4		5.32
	5		4.35
	6		
HR	1	4.72	5.97
	2	4.67	5.81
	3	4.65	5.51
	4		4.87
	5		3.44
	6		
HU	1	4.68	5.54
	2	4.26	6.97
	3	4.19	5.67
	4		5.17

	5		4.83
	6		4.89
IE	1	8.02	6.10
	2	6.88	5.32
	3	6.43	4.96
	4		3.74
	5		
	6		
IT	1	10.80	7.79
	2	8.90	6.38
	3	8.07	4.45
	4		3.63
	5		3.51
	6		3.35
LT	1	8.66	5.74
	2	6.09	5.19
	3	5.21	5.14
	4		5.09
	5		
	6		
LU	1	7.32	5.95
	2	5.95	5.86
	3	6.01	5.09
	4		4.06
	5		
	6		
LV	1	7.68	5.06
	2	5.05	4.88
	3	5.03	4.51
	4		4.31
	5		4.13
	6		
NL	1	12.35	7.77
	2	8.29	7.08
	3	7.93	4.62
	4		3.81
	5		3.50
	6		
PL	1	6.28	5.07
	2	4.90	5.13
	3	4.75	4.47
	4		3.98
	5		3.66
	6		
PT	1	11.09	8.66
	2	8.85	6.94
	3	7.91	5.16

	4		4.45
	5		4.18
	6		
RO	1	2.97	3.91
	2	2.96	3.82
	3	2.90	3.52
	4		3.04
	5		2.75
	6		2.04
SE	1	17.33	12.07
	2	12.26	10.65
	3	11.17	9.56
	4		8.69
	5		8.59
	6		
SI	1	7.41	6.63
	2	6.65	6.20
	3	6.60	5.85
	4		4.90
	5		
	6		
SK	1	10.28	6.07
	2	5.09	5.09
	3	5.04	4.54
	4		4.22
	5		3.70
	6		
UK	1	6.87	6.06
	2	5.60	4.61
	3	5.02	4.26
	4		3.75
	5		3.26
	6		

Figure A7, page 256: 2013 POTP electricity and gas break-down and comparison with the 2012 price - incumbents' standard offers for households in capital cities - November-December 2013

Source: ACER Retail Database and Information from NRAs (2013)

	Sum of Energy component	Sum of Network	Sum of Taxation incl VAT	Sum of RES	Sum of Change	2012 POTP	sector
AT	551.00	281.00	332.50		- 6.76	1,157.74	gas
AT	305.22	203.00	222.10	59.09	22.98	766.38	ele
BE	325.00	280.00	283.00	22.00	- 70.73	959.73	ele
BE	529.84	237.79	233.84		193.17	1,194.64	gas
BG	560.80	217.59	155.68		- 32.16	901.92	gas
BG	167.00	88.16	73.39	38.40	109.63	257.32	ele
CY	604.00	176.40	146.80	20.00	- 200.60	1,147.80	ele
CZ	233.82	167.00	131.82	85.27	- 25.00	643.00	ele
CZ	507.57	124.75	134.21		79.10	845.64	gas
DE	362.80	260.80	369.60	211.20	33.94	1,170.46	ele
DE	562.50	190.50	252.00		126.24	1,131.24	gas
DK	546.88	258.89	936.61		- 109.07	1,633.32	gas
DK	203.64	236.51	746.09	34.86	45.10	1,176.00	ele
EE	198.80	221.20	115.88	34.80	102.34	468.34	ele
EE	507.69	141.49	251.57		138.34	1,039.09	gas
ES	453.83	410.98	224.08		- 2.95	1,085.94	gas
ES	324.62	364.44	187.33	-	1.48	874.90	ele
FI	238.80	162.94	177.66	8.00	- 10.00	597.00	ele
FI	536.18	380.89	523.58		59.36	1,500.00	gas
FR	565.10	319.80	181.26		1.65	1,067.81	gas
FR	234.84	185.02	163.94	31.75	28.55	587.00	ele
GB	435.64	175.88	75.06	51.33	- 10.06	747.98	ele
GR	366.80	122.84	124.68	83.20	65.53	631.99	ele
GR	651.06	218.30	208.89		154.97	1,233.23	gas
HR	262.00	180.83	115.00	18.61	n.a.	n.a.	ele
HR	612.99	189.11	200.52		n.a.	n.a.	gas
HU	225.83	192.68	113.00	-	- 142.56	674.07	ele
HU	345.00	97.00	119.00		162.32	723.32	gas
IE	626.32	124.85	132.49	17.58	- 33.19	934.42	ele
IE	547.77	327.46	181.15		- 19.35	1,037.03	gas
IT	345.54	278.25	213.52	252.88	- 107.97	1,198.16	ele
IT	607.00	325.00	487.29		22.30	1,441.59	gas
LT	192.00	247.00	85.00	23.00	44.00	504.00	ele
LT	572.75	122.75	153.91		249.59	959.00	gas
LU	306.00	293.84	43.52	45.60	- 32.04	721.00	ele
LU	696.00	177.00	69.55		74.00	1,017.00	gas
LV	208.83	226.00	105.17	66.00	-	606.00	ele
LV	422.39	173.88	151.88		8.19	756.34	gas
MT	558.00	88.00	34.00	-	-	680.00	ele

NL	546.39	145.73	487.49		14.46	1,194.07	gas
NL	313.02	213.00	289.72	4.40	45.57	774.57	ele
NO	142.50	282.00	178.00	5.90	- 30.00	638.00	ele
PL	232.47	160.37	119.48	24.51	- 15.67	552.50	ele
PL	379.71	237.46	141.95		98.93	858.04	gas
PT	431.00	493.00	269.00		- 55.60	1,137.40	gas
PT	305.00	367.00	191.00	18.60	60.64	820.96	ele
RO	215.00	157.00	89.00		- 40.61	420.39	gas
RO	147.44	200.00	121.97	30.49	60.34	439.56	ele
SE	663.80	354.47	868.99		- 36.14	1,851.13	gas
SE	203.40	252.63	279.40	12.24	47.80	699.86	ele
SI	497.45	247.67	250.43		- 19.43	976.12	gas
SI	239.10	202.15	132.10	35.31	6.71	603.44	ele
SK	238.79	180.80	111.60	64.08	- 20.73	616.00	ele
SK	431.10	221.70	130.56		- 3.60	779.76	gas
GB	702.39	207.11	77.76		- 70.53	916.73	gas

2012 data:

	Energy	Network	Taxation	RES	2012
AT	428.11	242.00	277.30	59.09	962.06
ele	305.22	203.00	222.10	59.09	766.38
gas	551.00	281.00	332.50		1,157.74
BE	427.42	258.90	258.42	22.00	1,077.18
ele	325.00	280.00	283.00	22.00	959.73
gas	529.84	237.79	233.84		1,194.64
BG	363.90	152.88	114.53	38.40	579.62
ele	167.00	88.16	73.39	38.40	257.32
gas	560.80	217.59	155.68		901.92
CY	604.00	176.40	146.80	20.00	1,147.80
ele	604.00	176.40	146.80	20.00	1,147.80
CZ	370.70	145.88	133.02	85.27	744.32
ele	233.82	167.00	131.82	85.27	643.00
gas	507.57	124.75	134.21		845.64
DE	462.65	225.65	310.80	211.20	1,150.85
ele	362.80	260.80	369.60	211.20	1,170.46
gas	562.50	190.50	252.00		1,131.24
DK	375.26	247.70	841.35	34.86	1,404.66
ele	203.64	236.51	746.09	34.86	1,176.00
gas	546.88	258.89	936.61		1,633.32
EE	353.25	181.35	183.73	34.80	753.71
ele	198.80	221.20	115.88	34.80	468.34
gas	507.69	141.49	251.57		1,039.09
ES	389.22	387.71	205.70	-	980.42
ele	324.62	364.44	187.33	-	874.90
gas	453.83	410.98	224.08		1,085.94
FI	387.49	271.92	350.62	8.00	1,048.50
ele	238.80	162.94	177.66	8.00	597.00
gas	536.18	380.89	523.58		1,500.00
FR	399.97	252.41	172.60	31.75	827.41
ele	234.84	185.02	163.94	31.75	587.00
gas	565.10	319.80	181.26		1,067.81
GB	569.02	191.50	76.41	51.33	832.35
ele	435.64	175.88	75.06	51.33	747.98

gas	702.39	207.11	77.76		916.73
GR	508.93	170.57	166.78	83.20	932.61
ele	366.80	122.84	124.68	83.20	631.99
gas	651.06	218.30	208.89		1,233.23
HR	437.49	184.97	157.76	18.61	
ele	262.00	180.83	115.00	18.61	
gas	612.99	189.11	200.52		
HU	285.42	144.84	116.00	-	698.70
ele	225.83	192.68	113.00	-	674.07
gas	345.00	97.00	119.00		723.32
IE	587.05	226.15	156.82	17.58	985.73
ele	626.32	124.85	132.49	17.58	934.42
gas	547.77	327.46	181.15		1,037.03
IT	476.27	301.63	350.41	252.88	1,319.88
ele	345.54	278.25	213.52	252.88	1,198.16
gas	607.00	325.00	487.29		1,441.59
LT	382.38	184.88	119.46	23.00	731.50
ele	192.00	247.00	85.00	23.00	504.00
gas	572.75	122.75	153.91		959.00
LU	501.00	235.42	56.54	45.60	869.00
ele	306.00	293.84	43.52	45.60	721.00
gas	696.00	177.00	69.55		1,017.00
LV	315.61	199.94	128.53	66.00	681.17
ele	208.83	226.00	105.17	66.00	606.00
gas	422.39	173.88	151.88		756.34
MT	558.00	88.00	34.00	-	680.00
ele	558.00	88.00	34.00	-	680.00
NL	429.70	179.36	388.61	4.40	984.32
ele	313.02	213.00	289.72	4.40	774.57
gas	546.39	145.73	487.49		1,194.07
NO	142.50	282.00	178.00	5.90	638.00
ele	142.50	282.00	178.00	5.90	638.00
PL	306.09	198.91	130.71	24.51	705.27
ele	232.47	160.37	119.48	24.51	552.50
gas	379.71	237.46	141.95		858.04
PT	368.00	430.00	230.00	18.60	979.18
ele	305.00	367.00	191.00	18.60	820.96
gas	431.00	493.00	269.00		1,137.40
RO	181.22	178.50	105.49	30.49	429.97
ele	147.44	200.00	121.97	30.49	439.56
gas	215.00	157.00	89.00		420.39
SE	433.60	303.55	574.19	12.24	1,275.50
ele	203.40	252.63	279.40	12.24	699.86
gas	663.80	354.47	868.99		1,851.13
SI	368.27	224.91	191.27	35.31	789.78
ele	239.10	202.15	132.10	35.31	603.44
gas	497.45	247.67	250.43		976.12
SK	334.95	201.25	121.08	64.08	697.88
ele	238.79	180.80	111.60	64.08	616.00
gas	431.10	221.70	130.56		779.76



Figure A9, page 265: Average available transfer capacity after day ahead gate closure per border - 2013 (MW)  
Source: ENTSO-E, data provided by the NRAs through the ERI, Vulcanos (2014) and ACER calculations

	Capacity used at day-ahead	ATC (Available Transfer capacity) after day-ahead	Average of NTC
CH-DE	526	1,956	2,483
CH->DE	529	3,470	4,000
DE->CH	523	443	966
DE-NL	1,038	1,216	2,254
NL->DE	11	2,281	2,290
DE->NL	2,065	150	2,218
CH-IT	1,215	1,031	2,244
CH->IT	2,425	343	2,766
IT->CH	4	1,718	1,722
DE-FR	941	1,231	2,171
DE->FR	1,432	1,128	2,557
FR->DE	450	1,334	1,785
CH-FR	1,208	878	2,084
FR->CH	2,314	755	3,068
CH->FR	103	1,000	1,103
BE-FR	887	1,130	2,018
FR->BE	1,666	909	2,580
BE->FR	108	1,352	1,456
ES-PT	412	1,305	1,717
ES->PT	488	1,237	1,723
PT->ES	336	1,373	1,710
FR-GB	678	855	1,533
GB->FR	61	1,475	1,533
FR->GB	1,294	235	1,533
FR-IT	939	566	1,505
FR->IT	1,875	116	1,989
IT->FR	3	1,017	1,020
CZ-SK	315	1,100	1,415
CZ->SK	607	1,027	1,634
SK->CZ	23	1,173	1,197
NO-SE	459	924	1,382
NO-1->SE-3	580	861	1,438
SE-3->NO-1	338	987	1,326
BE-NL	492	858	1,350
BE->NL	659	699	1,359
NL->BE	325	1,017	1,341
CZ-DE_T	371	905	1,279
CZ->DE_TENNET	736	818	1,558
DE_TENNET->CZ	7	993	1,000
FI-SE1	469	790	1,259

SE-1->FI	938	476	1,413
FI->SE-1	1	1,104	1,105
DKE-SE	310	856	1,166
DK_E->SE-4	312	899	1,213
SE-4->DK_E	307	813	1,119
HU-RO	175	1,000	1,000
RO->HU	175	1,000	1,000
FI-SE3	299	701	999
SE-3->FI	562	497	1,058
FI->SE-3	36	904	941
NL-GB	389	595	984
UK->GB	17	969	984
NL->GB	762	221	984
HU-SK	366	603	968
SK->HU	726	414	1,140
HU->SK	5	792	796
ES-FR	427	540	967
FR->ES	542	496	1,037
ES->FR	312	584	897
AT-CH	250	604	854
CH->AT	176	1,017	1,193
AT->CH	324	190	514
DKW-NO	307	544	851
DK_W->NO-2	332	536	869
NO-2->DK_W	282	551	833
AT-SI	295	533	827
SI->AT	65	819	885
AT->SI	524	248	770
DE-DKW	293	512	805
DE_TENNET->DK_W	368	573	941
DK_W->DE_TENNET	218	451	669
NO3-SE2	220	519	740
SE-2->NO-3	318	573	892
NO-3->SE-2	123	466	588
EE-LV	251	433	677
EE->LV	478	251	727
LV->EE	2	634	627
AT-CZ	148	463	611
AT->CZ	6	657	663
CZ->AT	289	269	559
CZ-PL	74	530	603
PL->CZ	142	465	607
CZ->PL	6	594	600
NL-NO	250	316	567
NL->NO-2	28	548	577
NO-2->NL	473	83	557
DE50-DKE	227	333	560
DE_50HZT->DK_E	309	258	567
DK_E->DE_50HZT	145	409	553
AT-HU	151	408	560
HU->AT	94	506	600
AT->HU	209	311	519
DKW-SE3	149	379	528
SE-3->DK_W	89	475	563
DK_W->SE-3	209	284	493

NO4-SE1	144	369	513
NO-4->SE-1	231	375	605
SE-1->NO-4	58	363	421
PL-SK	83	425	508
PL->SK	164	369	532
SK->PL	3	481	484
DE_T-SE4	120	275	395
SE-4->DE_TENNET	120	362	481
DE_TENNET->SE-4	121	188	309
BG-GR	159	205	365
BG->GR	318	131	449
GR->BG	0	280	280
EE-FI	116	246	361
FI->EE	175	198	373
EE->FI	57	293	349
IT-SI	269	28	297
SI->IT	415	27	442
IT->SI	124	29	153
PL-SE	97	167	264
SE-4->PL	104	292	396
PL->SE-4	90	42	133
AT-IT	227	3	230
AT->IT	227	3	230
NO4-SE2	50	141	192
SE-2->NO-4	26	210	237
NO-4->SE-2	74	73	147