



Public data underlying the figures of Annual Report on the Results of Monitoring the Internal Electricity and Natural Gas Markets in 2014

November 2015

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Figure 1, Page 22: Overall demand for electricity and gas in the EU-28 (TWh) in relation to GDP (%) – 2008–2014
Source: Eurostat (15/9/2015) and ACER calculations.

	Gas Demand	Electricity Demand	GDP	GDP % Growth
2008	5,685.5	3,064.8	12,986,407.7	
2009	5,354.0	2,924.9	12,245,901.4	-6%
2010	5,717.3	2,976.4	12,789,852.6	4%
2011	5,120.3	2,981.3	13,173,516.5	3%
2012	5,024.6	2,978.0	13,425,648.8	2%
2013	4,964.0	2,962.6	13,519,751.4	1%
2014	4,457.3	2,870.2	13,920,541.2	3.0%

Figure 2, Page 24: Share of households with gas, average annual gas consumption per household and overall household consumption – 2014 (MWh and %)

Source: Eurostat (15/9/2015) and CEER Database (2014).

Country	% of all households	Typical annual consumption (MWh)
AT	29%	13
BE	52%	26
BG	2%	11
HR	28%	9
CY	0%	0
CZ	52%	8
DK	14%	20
EE	9%	3
FI	1%	4
FR	34%	17
DE	27%	20
GB	76%	13
GR	5%	10
IE	64%	10
IE	32%	11
IT	68%	7
LV	43%	4
LT	37%	13
LU	35%	36
MT	0%	0
NL	91%	13
NO	0%	0
PO	45%	7
PT	23%	3
RO	37%	9
SK	66%	20
SI	14%	8
ES	27%	8
SE	1%	15

Figure 3, Page 25: Electricity and gas POTP trends for household and industrial consumers in Europe – 2008-2014 (euro cents/kWh)

Source: Eurostat (29/08/2015) and ACER calculations.

	Electricity HH Prices	Gas HH prices	Electricity IND prices	Gas IND prices
2008	16.22	5.76	10.14	3.51
2009	16.38	5.52	10.36	2.97
2010	17.00	5.42	10.18	3.03
2011	18.20	6.04	11.02	3.43
2012	19.17	6.62	11.50	3.76
2013	20.04	6.79	11.72	3.74
2014	20.56	6.93	11.70	3.52

Figure 4, Page 25: Electricity and gas POTP and PTP for households in Europe – 2014 (euro cents/kWh)
Source: Eurostat (29/08/2015) and ACER calculations.

Country	PTP	Other taxes	VAT and Recoverable taxes	Sector	Total 2014
BG	7.18	0.00	1.46	ELE HH	8.64
LV	8.57	2.68	2.08	ELE HH	13.33
LT	8.88	2.07	2.30	ELE HH	13.25
RO	9.08	1.16	2.46	ELE HH	12.69
HU	9.24	0.00	2.50	ELE HH	11.74
EE	9.75	1.22	2.20	ELE HH	13.16
HR	10.09	0.46	2.64	ELE HH	13.18
CZ	10.46	0.11	2.22	ELE HH	12.79
FI	10.60	1.91	3.00	ELE HH	15.51
FR	10.79	2.86	2.38	ELE HH	16.03
PL	11.02	0.47	2.65	ELE HH	14.15
SI	11.52	1.86	2.94	ELE HH	16.31
NO	11.78	1.48	3.32	ELE HH	16.57
GR	12.10	3.62	2.04	ELE HH	17.76
SE	12.29	3.05	3.84	ELE HH	19.17
SK	12.31	0.32	2.53	ELE HH	15.15
PT	12.85	5.10	4.09	ELE HH	22.03
NL	12.88	1.81	3.08	ELE HH	17.77
MT	12.96	0.00	0.65	ELE HH	13.61
AT	13.08	3.63	3.34	ELE HH	20.04
DK	13.14	11.17	6.08	ELE HH	30.39
EU28	13.97	3.70	2.90	ELE HH	20.56
LU	14.31	2.09	0.98	ELE HH	17.38
DE	14.38	10.65	4.76	ELE HH	29.78
IT	15.04	6.71	2.18	ELE HH	23.92
BE	16.76	1.96	1.99	ELE HH	20.70
ES	17.82	0.91	3.94	ELE HH	22.66
UK	18.72	0.00	0.94	ELE HH	19.66
CY	18.88	0.75	3.61	ELE HH	23.24
IE	20.47	1.32	2.94	ELE HH	24.72
RO	1.57	0.97	0.61	GAS HH	3.14
HU	2.82	0.00	0.76	GAS HH	3.58
DK	3.55	3.60	1.79	GAS HH	8.93
HR	3.76	0.00	0.94	GAS HH	4.70
LV	3.85	0.17	0.84	GAS HH	4.86
EE	3.89	0.22	0.82	GAS HH	4.93
BG	4.02	0.00	0.81	GAS HH	4.82
PL	4.03	0.00	0.92	GAS HH	4.95
SK	4.28	0.00	0.86	GAS HH	5.14
LT	4.38	0.00	0.92	GAS HH	5.29
CZ	4.59	0.00	0.97	GAS HH	5.56
LU	4.68	0.21	0.34	GAS HH	5.23
NL	4.70	1.99	1.41	GAS HH	8.09
SI	4.83	0.50	1.18	GAS HH	6.51
BE	5.07	0.34	1.13	GAS HH	6.54

DE	5.12	0.60	1.08	GAS HH	6.80
EU28	5.36	0.63	0.94	GAS HH	6.93
AT	5.47	0.69	1.24	GAS HH	7.39
IT	5.79	1.60	1.35	GAS HH	8.74
IE	5.91	0.37	0.85	GAS HH	7.13
UK	5.93	0.00	0.30	GAS HH	6.23
FR	6.04	0.23	1.06	GAS HH	7.32
GR	6.15	0.58	0.88	GAS HH	7.61
SE	6.39	2.90	2.32	GAS HH	11.61
ES	6.84	0.24	1.48	GAS HH	8.56
PT	7.58	0.44	1.85	GAS HH	9.87

Figure 5, Page 26: Electricity and gas POTP and PTP for industrial consumers – Europe – 2014 (euro)
Source: Eurostat (29/08/2015) and ACER calculations.

Country	PTP	Other taxes	VAT and Recoverable taxes	Sector	Total 2014
NO	3.85	1.49	1.33	ELE IND	6.67
FI	4.92	0.70	1.35	ELE IND	6.97
SE	5.38	0.06	1.36	ELE IND	6.79
BG	5.65	0.10	1.15	ELE IND	6.90
RO	5.70	1.08	1.63	ELE IND	8.40
FR	5.86	1.40	1.43	ELE IND	8.68
LU	5.87	0.09	0.36	ELE IND	6.32
PL	6.03	0.48	1.50	ELE IND	8.00
SI	6.05	0.80	1.51	ELE IND	8.35
HR	6.18	0.31	1.62	ELE IND	8.11
AT	6.18	2.03	1.64	ELE IND	9.85
DE	6.32	5.06	3.99	ELE IND	15.37
EE	6.34	1.19	1.51	ELE IND	9.03
BE	6.63	1.14	1.37	ELE IND	9.14
NL	6.72	0.66	1.55	ELE IND	8.92
GR	6.90	1.19	1.05	ELE IND	9.14
EU28	7.22	2.18	2.30	ELE IND	11.70
PT	7.51	1.10	1.98	ELE IND	10.59
DK	7.62	0.05	15.82	ELE IND	23.49
ES	7.70	0.39	1.70	ELE IND	9.79
CZ	7.89	0.11	1.68	ELE IND	9.67
LV	7.90	2.68	1.93	ELE IND	12.51
HU	8.03	0.77	2.20	ELE IND	11.00
IT	8.73	4.89	1.76	ELE IND	15.38
SK	8.99	0.45	1.89	ELE IND	11.33
IE	9.31	0.42	0.81	ELE IND	10.54
LT	9.64	2.12	2.47	ELE IND	14.23
UK	11.62	0.24	2.37	ELE IND	14.23
MT	14.18	0.00	0.71	ELE IND	14.89
CY	15.32	0.75	2.96	ELE IND	19.02
RO	1.93	0.40	0.56	GAS IND	2.88
BE	2.47	0.06	0.53	GAS IND	3.05
NL	2.48	0.20	0.57	GAS IND	3.24
UK	2.52	0.07	0.52	GAS IND	3.10
DK	2.55	0.19	4.96	GAS IND	7.69
DE	2.63	0.41	0.58	GAS IND	3.61
CZ	2.68	0.11	0.59	GAS IND	3.37
AT	2.68	0.71	0.68	GAS IND	4.06
FR	2.73	0.07	0.39	GAS IND	3.19
EU28	2.74	0.20	0.58	GAS IND	3.52
IT	2.88	0.04	0.24	GAS IND	3.15
SK	2.91	0.14	0.61	GAS IND	3.65
LV	2.95	0.15	0.66	GAS IND	3.75
PL	2.97	0.00	0.68	GAS IND	3.65
BG	2.98	0.03	0.60	GAS IND	3.60

IE	3.09	0.11	0.15	GAS IND	3.35
SI	3.10	0.51	0.79	GAS IND	4.40
GR	3.14	0.56	0.08	GAS IND	3.79
LU	3.18	0.04	0.19	GAS IND	3.41
ES	3.18	0.06	0.68	GAS IND	3.92
HU	3.20	0.16	0.90	GAS IND	4.27
SE	3.22	0.87	3.56	GAS IND	7.65
FI	3.35	1.04	1.05	GAS IND	5.43
EE	3.39	0.13	0.71	GAS IND	4.22
HR	3.44	0.01	0.87	GAS IND	4.32
LT	3.48	0.00	0.73	GAS IND	4.21
PT	3.51	0.00	0.81	GAS IND	4.32

Figure 6, Page 27: The year-on-year change in the electricity POTP, energy component and non-contestable part of POTPs for households in Europe – 2013-2014 (%)

Source: Eurostat (29/08/2015) and ACER calculations.

MS	Energy component	Non-contestable charges	Final price
UK	15.8%	7.1%	12.1%
FR	10.0%	10.1%	10.1%
LU	3.3%	7.3%	5.6%
IE	8.8%	3.3%	5.4%
GR	1.7%	9.2%	5.1%
PT	-3.0%	8.2%	4.7%
ES	-4.1%	6.7%	4.1%
DK	-4.1%	4.9%	3.4%
DE	-10.9%	7.2%	1.8%
BG	25.6%	-22.7%	1.5%
IT	-6.4%	4.8%	0.7%
FI	-6.8%	2.0%	-1.4%
SI	-4.4%	0.2%	-1.5%
AT	-7.0%	1.7%	-1.5%
HR	-6.3%	1.9%	-1.9%
PL	-5.3%	0.2%	-2.0%
RO	2.5%	-4.5%	-2.5%
EE	-4.0%	-2.6%	-3.1%
LV	0.3%	-5.4%	-4.2%
CY	-7.0%	-1.0%	-5.0%
LT	2.1%	-9.0%	-5.2%
NO	-10.9%	-4.8%	-6.6%
BE	-2.1%	-10.4%	-7.8%
SE	-15.6%	-6.1%	-8.7%
SK	-15.5%	-5.5%	-9.2%
NL	-2.1%	-14.4%	-9.5%
HU	-18.2%	-10.1%	-13.6%
CZ	-17.2%	-13.5%	-14.6%
MT	-30.4%	-6.7%	-26.2%

Figure 7, Page 28: The compounded annual growth rate (CAGR)[1] of the electricity POTP, energy component and non-contestable part of POTPs for households in Europe – 2008-2014 (%)

Source: Eurostat (29/08/2015) and ACER calculations.

MS	Non-contestable charge	Energy component	Final price
GR	12.8%	7.0%	9.5%
FR	8.5%	9.7%	8.9%
EE	8.2%	6.7%	7.7%
LT	8.8%	5.1%	7.3%
ES	14.2%	-5.5%	7.2%
IE	8.8%	3.9%	6.7%
PT	10.2%	0.1%	6.5%
SI	7.0%	4.2%	5.9%
DE	7.9%	-0.6%	5.2%
LV	12.0%	-8.4%	4.4%
UK	6.0%	2.8%	4.0%
CY	4.5%	3.6%	3.9%
FI	5.1%	0.4%	3.2%
RO	2.7%	0.8%	2.1%
AT	2.7%	0.7%	1.9%
HR	3.0%	0.6%	1.9%
IT	4.6%	-2.8%	1.6%
DK	4.4%	-8.7%	1.4%
BG	-3.2%	5.2%	1.4%
PL	0.9%	2.2%	1.4%
LU	0.6%	2.4%	1.3%
SE	3.5%	-4.3%	1.1%
SK	2.0%	-3%	0.0%
CZ	5.4%	-8.8%	-0.3%
NO	1.3%	-3.9%	-0.4%
NL	0.6%	-2.1%	-0.6%
BE	2.2%	-5.4%	-0.9%
MT	-1.0%	-4.0%	-3.4%
HU	-1.2%	-9.0%	-4.9%

Figure 8, Page 29: The compounded annual growth rate (CAGR) of the electricity POTP, energy component and non-contestable part of POTPs for industry in Europe – 2008-2014 (%)

Source: Eurostat (29/08/2015) and ACER calculations.

MS	Non-contestable part	Energy component	Final price
EE	12.3%	7.4%	9.5%
LV	24.5%	-1.8%	7.0%
PT	7.6%	2.3%	4.0%
DE	18.1%	-5.8%	3.7%
UK	6.8%	2.3%	3.5%
IT	15.6%	-2.9%	2.6%
FR	10.6%	-1.8%	2.4%
CY	6.1%	1.6%	2.4%
BG	-11.0%	4.7%	1.7%
HR	7.0%	-0.6%	1.4%
MT	0.0%	1.3%	1.1%
ES	-2.6%	2.1%	1.1%
GR	0.9%	0.9%	0.9%
SI	6.8%	-1.0%	0.7%
IE	8.4%	-1.6%	-0.2%
FI	7.8%	-2.0%	-0.3%
LT	-11.9%	13.2%	-0.6%
BE	4.7%	-2.7%	-0.7%
SK	8.4%	-7.0%	-0.8%
CZ	10.0%	-6.3%	-0.8%
RO	3.9%	-4.9%	-1.3%
LU	8.2%	-3.1%	-1.8%
HU	9.5%	-5.6%	-1.9%
PL	-3.3%	-1.9%	-2.4%
SE	4.3%	-3.8%	-2.5%
AT	3.8%	-5.7%	-2.6%
NO	2.9%	-5.4%	-2.6%
DK	7.4%	-10.4%	-2.9%
NL	2.3%	-5.3%	-3.6%

Figure 9, Page 30: The 2008-2014 compounded annual growth rate (CAGR) and 2013-2014 change year-on-year of the gas POTP for household consumers in Europe (%)

Source: Eurostat (29/08/2015) and ACER calculations.

Country	CAGR 2008-2014	Change 2013-2014
PT	7.8%	11.5%
UK	6.1%	11.3%
RO	-1.0%	6.1%
ES	5.7%	5.4%
FR	4.9%	4.0%
IE	3.0%	3.7%
EU28	3.1%	2.1%
PL	1.0%	1.0%
SK	2.4%	1.0%
DE	-0.5%	0.7%
HR	9.3%	0.6%
BE	-0.1%	-1.4%
EE	5.7%	-1.5%
IT	4.4%	-1.8%
NL	1.8%	-2.4%
AT	3.5%	-2.8%
LV	3.0%	-3.8%
SE	3.0%	-5.3%
SI	0.4%	-5.6%
BG	4.4%	-6.5%
GR	-13.5%	-8.4%
CZ	2.3%	-8.6%
DK	-1.4%	-9.3%
LU	-0.4%	-12.1%
LT	6.8%	-13.1%
HU	-3.2%	-16.0%

Figure 10, Page 31: The 2008-2014 compounded annual growth rate (CAGR) and 2013-2014 change year-on-year of the gas POTP for industrial consumers in Europe (%)

Source: Eurostat (29/08/2015) and ACER calculations.

MS	CAGR 08-14	Change 13-14
RO	0.3%	4.7%
PT	9.4%	3.3%
EE	6.3%	1.4%
PL	2.5%	-0.4%
ES	4.7%	-0.9%
SE	8.5%	-1.2%
AT	2.2%	-1.3%
SK	-2.3%	-1.4%
BG	5.6%	-3.9%
FI	0.4%	-4.9%
FR	-1.7%	-5.9%
EU28	-0.1%	-6.0%
CZ	-2.3%	-6.6%
DK	4.2%	-7.1%
NL	-1.2%	-7.4%
DE	-2.0%	-8.4%
LV	0.7%	-9.1%
IT	-2.2%	-10.3%
IE	0.1%	-10.3%
SI	-0.4%	-10.5%
UK	3.9%	-11.0%
HR	7.4%	-11.2%
HU	1.9%	-11.7%
GR	-11.7%	-13.0%
BE	-3.7%	-15.0%
LU	5.5%	-16.1%
LT	0.9%	-17.3%

Figure 11, Page 32: POTP electricity break-down – incumbents' standard offers for households in capital cities – November-December 2014 (%)

Source: ACER Retail Database[1] and information from NRAs (2014).

Country	Energy	Network	RES	Taxes	VAT	POTP
AT	35%	27%	10%	11%	17%	€ 779
BE	39%	36%	4%	16%	6%	€ 788
BG	55%	17%	12%		17%	€ 329
CY	62%	20%	2%	1%	16%	€ 893
CZ	37%	32%	13%	1%	17%	€ 557
DE	29%	21%	20%	14%	16%	€ 1,220
DK	16%	18%	10%	36%	20%	€ 1,236
EE	37%	38%	5%	3%	17%	€ 565
ES	41%	38%		4%	17%	€ 906
FI	39%	27%	2%	13%	19%	€ 581
FR	38%	29%	8%	11%	15%	€ 650
GB	59%	24%	12%	0%	5%	€ 787
GR	53%	16%	14%	5%	12%	€ 727
HR	44%	32%	3%		20%	€ 542
HU	40%	38%			21%	€ 483
IE	54%	27%	2%	4%	12%	€ 966
IT	40%	19%	19%	14%	9%	€ 954
LT	38%	40%	5%		17%	€ 530
LU	41%	41%	11%	1%	6%	€ 711
LV	28%	37%	11%	7%	17%	€ 606
MT	78%	18%			5%	€ 499
NL	37%	25%	1%	19%	17%	€ 805
NO	22%	47%	1%	10%	20%	€ 548
PL	46%	29%	4%	3%	17%	€ 584
PT	32%	30%	17%	3%	18%	€ 915
RO	32%	40%	6%	3%	20%	€ 497
SE	24%	35%	2%	18%	20%	€ 694
SI	39%	33%	8%	2%	18%	€ 650
SK	36%	30%	15%	2%	17%	€ 577

Figure 12, Page 35: RES component changes in POTP break-downs of offers for a selection of capital cities with the most pronounced growth trends, 2012-2014 (Euros and %)
Source: ACER Retail Database and information from NRAs (2014).

Year	RES (% in total)	RES Component in EUR
PT2012	5%	€ 45
PT2013	5%	€ 43
PT2014	17%	€ 152
GR2012	6%	€ 38
GR2013	12%	€ 83
GR2014	14%	€ 105
GB2012	5%	€ 39
GB2013	12%	€ 84
GB2014	12%	€ 92
SI2012	3%	€ 21
SI2013	6%	€ 35
SI2014	8%	€ 49
FR2012	4%	€ 23
FR2013	5%	€ 32
FR2014	8%	€ 51
AT2012	5%	€ 41
AT2013	7%	€ 59
AT2014	10%	€ 75
DE2012	12%	€ 144
DE2013	18%	€ 211
DE2014	20%	€ 250
LU2012	7%	€ 49
LU2013	7%	€ 46
LU2014	11%	€ 80
BE2012	2%	€ 19
BE2013	2%	€ 22
BE2014	4%	€ 29
DK2012	7%	€ 88
DK2013	8%	€ 96
DK2014	10%	€ 124
SK2012	10%	€ 63
SK2013	11%	€ 64
SK2014	15%	€ 87

IT2012	16%	€ 151
IT2013	19%	€ 175
IT2014	19%	€ 180

Figure 13, Page 36: Annual average change in RES charges and the energy component in capital cities – CAGR 2012-2014 (%)

Source: ACER Retail Database and information from NRAs (2014).

Country	CAGR RES	CAGR ENERGY
PT	83.2%	-2.8%
GR	66.6%	4.1%
SI	55.2%	-3.0%
GB	54.6%	-1.6%
FR	46.9%	7.8%
IE	38.4%	-1.4%
AT	35.2%	-6.9%
DE	31.7%	-10.5%
LU	27.4%	-0.8%
LT	25.9%	2.9%
BE	25.3%	-9.1%
FI	22.1%	-3.6%
DK	18.7%	-6.6%
SK	17.9%	-10.2%
NO	9.7%	-16.3%
IT	9.2%	-7.3%
CZ	3.9%	-12.5%
CY	1.2%	-16.2%
BG	-0.3%	22.4%
LV	-0.5%	-11.1%
PL	-3.9%	1.2%
SE	-4.1%	0.6%
EE	-9.3%	28.0%
HU	-100.0%	-15.4%
NL	109.1%	-4.7%
RO	-9.2%	7.4%
HR	-1.6%	-8.3%

Figure 14, Page 37: POTP gas break-down – incumbents' standard offers for households in capital cities – November-December 2014 (%)

Source: ACER Retail Database and information from NRAs (2014).

MS	Energy	Network	Taxes and levies	VAT	POTP
AT	47%	25%	12%	17%	€ 1,176
BE	54%	24%	5%	17%	€ 982
BG	59%	25%		17%	€ 859
CZ	68%	15%		17%	€ 804
DE	53%	20%	11%	16%	€ 1,080
DK	29%	11%	39%	20%	€ 1,280
EE	71%	8%	5%	17%	€ 710
ES	43%	37%	3%	17%	€ 1,086
FI	40%	28%	13%	19%	€ 1,374
FR	48%	32%	5%	15%	€ 1,100
GB	68%	22%	6%	5%	€ 808
GR	81%		8%	11%	€ 1,079
HR	68%	12%		20%	€ 788
HU	65%	13%	2%	21%	€ 673
IE	51%	32%	5%	12%	€ 1,072
IT	40%	24%	21%	15%	€ 1,301
LT	58%	25%		17%	€ 653
LU	69%	24%	2%	6%	€ 849
LV	59%	20%	3%	17%	€ 750
NL	46%	12%	24%	17%	€ 1,188
PL	56%	25%		19%	€ 781
PT	35%	38%	10%	17%	€ 1,466
RO	44%	37%		19%	€ 470
SE	33%	25%	27%	15%	€ 1,841
SI	49%	25%	8%	18%	€ 1,073
SK	55%	28%		17%	€ 782

Figure 15, Page 38: Energy component changes in the POTP break-downs of gas offers for a selection of capital cities with the most pronounced trends – 2012-2014 (Euros and %)

Source: ACER Retail Database and information from NRAs (2014).

Year	Energy (% in total)	Energy component in EUR
LT2012	68%	€ 654
LT2013	66%	€ 610
LT2014	58%	€ 380
LU2012	76%	€ 766
LU2013	74%	€ 684
LU2014	69%	€ 582
BE2012	59%	€ 709
BE2013	53%	€ 530
BE2014	54%	€ 534
DK2012	36%	€ 491
DK2013	34%	€ 452
DK2014	30%	€ 389
IT2012	44%	€ 631
IT2013	41%	€ 559
IT2014	40%	€ 525
FI2012	44%	€ 657
FI2013	37%	€ 536
FI2014	40%	€ 555
DE2012	59%	€ 666
DE2013	56%	€ 563
DE2014	53%	€ 570
SI2012	52%	€ 505
SI2013	50%	€ 497
SI2014	49%	€ 530
PT2012	36%	€ 431
PT2013	36%	€ 479
PT2014	35%	€ 519

Figure 16, Page 41: Type of energy pricing of electricity-only offers in capital cities as a percentage of all offers – November-December 2014 (%)

Source: ACER Database (November-December 2014) and ACER calculations.

Country	Fixed	Variable	Spot-based	Cannot say	Total
DE	51.7%	48.3%	0.0%	0.0%	100.0%
FI	50.4%	42.9%	6.7%	0.0%	100.0%
ES	1.9%	98.1%	0.0%	0.0%	100.0%
DK	43.4%	49.4%	7.2%	0.0%	100.0%
NO	28.0%	39.0%	33.0%	0.0%	100.0%
AT	28.3%	71.7%	0.0%	0.0%	100.0%
EE	12.5%	87.5%	0.0%	0.0%	100.0%
GB	55.1%	44.9%	0.0%	0.0%	100.0%
NL	65.1%	34.9%	0.0%	0.0%	100.0%
CZ	21.7%	26.1%	0.0%	52.2%	100.0%
LU	11.1%	88.9%	0.0%	0.0%	100.0%
PT	5.9%	94.1%	0.0%	0.0%	100.0%
FR	45.5%	54.5%	0.0%	0.0%	100.0%
PL	52.6%	7.5%	0.0%	39.8%	100.0%
IE	0.0%	88.9%	0.0%	11.1%	100.0%
BE	70.0%	30.0%	0.0%	0.0%	100.0%
IT	73.9%	21.7%	0.0%	4.3%	100.0%
GR	28.6%	71.4%	0.0%	0.0%	100.0%
SI	0.0%	100.0%	0.0%	0.0%	100.0%
HR	25.0%	75.0%	0.0%	0.0%	100.0%
SE	57.9%	0.0%	25.4%	16.7%	100.0%
BG	0.0%	0.0%	0.0%	100.0%	100.0%
HU	0.0%	0.0%	0.0%	100.0%	100.0%
LT	0.0%	0.0%	0.0%	100.0%	100.0%
LV	0.0%	0.0%	0.0%	100.0%	100.0%
RO	0.0%	0.0%	0.0%	100.0%	100.0%
SK	0.0%	0.0%	0.0%	100.0%	100.0%
CY	0.0%	0.0%	0.0%	100.0%	100.0%
MT	0.0%	0.0%	0.0%	100.0%	100.0%

Figure 17, Page 43: Presence of green electricity- and gas-only offers in capital cities – November-December 2014

Source: ACER Database (November-December 2014) and ACER calculations.

MS	Green	Grey	sector
LU (18)	100.0%		ele
BE (20)	80.0%	20.0%	ele
NL (86)	75.6%	24.4%	ele
AT (53)	75.5%	24.5%	ele
SE (378)	65.6%	34.4%	ele
DE (404)	53.7%	46.3%	ele
FR (22)	45.5%	54.5%	ele
DK (83)	34.9%	65.1%	ele
IT (23)	21.7%	78.3%	ele
ES (54)	13.0%	87.0%	ele
IE (9)	11.1%	88.9%	ele
GB (69)	8.7%	91.3%	ele
PL (133)	6.8%	93.2%	ele
FI (401)	6.2%	93.8%	ele
PT (34)	5.8%	94.2%	ele
CZ (69)	1.4%	98.6%	ele
DK (42)	100.0%	0.0%	gas
DE (290)	40.0%	60.0%	gas
LU (9)	22.2%	77.8%	gas
BE (15)	20.0%	80.0%	gas
NL (72)	19.4%	80.6%	gas
GB (41)	2.4%	97.6%	gas

Figure 18, Page 44: Differences in the average dual-fuel offer and combined average single-fuel offers per European capital – November-December 2014

Source: ACER Database (November-December 2013, November-December 2014) and ACER calculations.

Country	Dual-fuel POTP*	Avg. total ele and gas*	Savings from dual-fuel (%)	Dual-fuel in all offers (%)
EE*	650	706	8%	3%
IE	1,896	2,012	6%	38%
GB	1,544	1,605	4%	41%
CZ	1,238	1,276	3%	3%
PT	2,156	2,189	2%	24%
NL	1,915	1,939	1%	43%
ES	2,017	2,023	0%	17%
BE*	966	966	0%	42%
FR	1,707	1,683	-1%	57%
IT	2,529	2,478	-2%	8%

* values are in EUR

Figure 19, Page 53: Overall number of suppliers and number of nationwide suppliers active in the retail electricity and gas markets for households in the EU MSs and Norway – 2014
Source: CEER National Indicators Database (2015).

Electricity			
		Overall number of suppliers	Nationwide suppliers
Cyprus	CY	1	1
Malta	MT	1	1
Lithuania	LT	3	3
Bulgaria	BG	4	4
Latvia	LV	5	5
Luxembourg	LU	7	5
Ireland	IE	6	6
Greece	GR	26	7
Croatia	HR	8	8
Portugal	PT	60	9
Slovenia	SI	11	11
Belgium	BE	53	12
France	FR	174	12
Hungary	HU	83	14
Romania	RO	198	17
Slovakia	SK	22	18
Italy	IT	381	21
Estonia	EE	35	23
Great Britain	GB	24	24
Poland	PL	28	25
Denmark	DK	50	25
Austria	AT	138	25
Czech Republic	CZ		28
Spain	ES	191	36
Germany	DE	400	39
Finland	FI	72	45
Netherlands	NL	50	50
Norway	NO	148	75
Sweden	SE	123	97

Gas			
		Overall number of suppliers	Nationwide suppliers
Malta	MT		
Norway	NO		
Cyprus	CY		
Sweden	SE	7	0
Finland	FI	21	0
Croatia	HR	34	0

Latvia	LV	1	1
Greece	GR	3	1
Luxembourg	LU	3	2
Lithuania	LT	6	2
Hungary	HU	7	2
Ireland	IE	5	5
Portugal	PT	27	7
France	FR	43	7
Poland	PL	13	8
Belgium	BE	36	11
Denmark	DK	13	12
Slovenia	SI	20	12
Slovakia	SK	15	15
Austria	AT	32	16
Italy	IT	275	19
Estonia	EE	30	20
Great Britain	GB	25	25
Bulgaria	BG	28	28
Spain	ES	33	33
Romania	RO	46	46
Germany	DE	400	50
Netherlands	NL	53	53
Czech Republic	CZ	69	69

750

Figure 20, Page 54: Market share of three largest suppliers (CR3) and the number of main suppliers and number of nationwide suppliers in retail markets for households – 2014
Source: CEER National Indicators Database (2015).

Electricity				
		Main suppliers	CR3	Nationwide suppliers
Austria	AT	6	61	25
Belgium	BE	5	76	12
Bulgaria	BG	3	100	4
Croatia	HR	1	99	8
Cyprus	CY	1	100	1
Czech Republic	CZ	4	78	28
Denmark	DK		45	25
Estonia	EE	2	85	23
Finland	FI	4	40	45
France	FR	2	98	12
Germany	DE	4	41	39
Great Britain	GB	6	56	24
Greece	GR	1	100	7
Hungary	HU	4	85	14
Ireland	IE	4	93	6
Italy	IT	1	85	21
Latvia	LV	1	98	5
Lithuania	LT	1	100	3
Luxembourg	LU	2	98	5
Malta	MT	1	100	1
Netherlands	NL	3	79	50
Norway	NO	4	38	75
Poland	PL	5	81	25
Portugal	PT	2	96	9
Romania	RO	5	71	17
Slovakia	SK	3	90	18
Slovenia	SI	6	65	11
Spain	ES	3	90	36
Sweden	SE	5	43	97

Gas				
		Main suppliers	CR3	Nationwide suppliers
Austria	AT	3	77	16
Belgium	BE	5	74	11
Bulgaria	BG	2	100	28
Croatia	HR	3	62	0
Cyprus	CY			
Czech Republic	CZ	5	61	69

Denmark	DK	3	95	12
Estonia	EE	1	92	20
Finland	FI	1	95	0
France	FR	2	93	7
Germany	DE	3	22	50
Great Britain	GB	6	67	25
Greece	GR	1	100	1
Hungary	HU	4	88	8
Ireland	IE	3	95	5
Italy	IT	3	53	19
Latvia	LV	1	100	1
Lithuania	LT	1	100	2
Luxembourg	LU	2	100	2
Malta	MT			
Netherlands	NL	3	79	53
Norway	NO			
Poland	PL	1	100	8
Portugal	PT	3	100	7
Romania	RO	2	93	46
Slovakia	SK	3	91	15
Slovenia	SI	6	65	12
Spain	ES	4	85	33
Sweden	SE	4	85	0

Figure 21, Page 55: CR3 in the retail electricity and gas markets for non-households in EU MSs and Norway – 2014 (%)

Source: CEER National Indicators Database (2015).

		CR3 - Electricity (ranked)	CR3 - Gas
Cyprus	CY	100	
Malta	MT	100	
Greece	GR	99	100
Latvia	LV	96	100
Luxembourg	LU	96	92
Croatia	HR	95	79
France	FR	86	56
Ireland	IE	85	55
Portugal	PT	79	93
Estonia	EE	77	96
Belgium	BE	67	79
Slovakia	SK	62	84
Spain	ES	61	83
Lithuania	LT	60	100
Poland	PL	59	88
Hungary	HU	55	48
Slovenia	SI	54	81
Norway	NO	51	
Austria	AT	51	56
Great Britain	GB	50	48
Bulgaria	BG	49	85
Germany	DE	33	32
Romania	RO	40	60
Italy	IT	35	53
Czech Republic	CZ		56
Denmark	DK		
Finland	FI		84
Netherlands	NL		79
Sweden	SE		90

Notes: Figures in red show CR3 for the whole retail market.

Figure 22, Page 56: Entry/exit activity of nationwide suppliers (3-year average) in retail markets for households – 2012–2014 (%)
Source: CEER National Indicators Database (2015) and ACER calculations.

Electricity			
		Entry/Exit activity 2012- 2014	Net entry/exit in 2014
Lithuania	LT	96.7	-2
Romania	RO	80.0	12
Poland	PL	63.3	8
Spain	ES	56.5	13
Hungary	HU	56.5	6
Slovakia	SK	53.3	5
Greece	GR	35.6	2
Belgium	BE	30.8	1
Portugal	PT	26.7	4
Italy	IT	24.1	4
Great Britain	GB	23.2	4
Latvia	LV	22.9	0
Austria	AT	20.1	8
Netherlands	NL	17.7	3
France	FR	13.7	2
Estonia	EE	12.6	0
Finland	FI	12.1	5
Croatia	HR	11.1	0
Norway	NO	10.7	1
Germany	DE	10.7	4
Denmark	DK	9.6	3
Czech Republic*	CZ	9.3	-4
Ireland	IE	6.7	1

Gas			
		Entry/Exit activity 2012- 2014	Net entry/exit in 2014
Poland	PL	151.4	1
Estonia	EE	88.9	2
Slovenia	SI	73.3	-3
Italy	IT	50.8	5
Belgium	BE	34.1	2
Lithuania	LT	33.3	1
Austria	AT	31.7	4
Spain	ES	30.0	5
Hungary	HU	29.8	-6
Slovakia	SK	29.7	-1
Czech Republic*	CZ	26.5	3
Great Britain	GB	24.7	3
Netherlands	NL	24.4	9
Denmark	DK	17.0	2
Portugal	PT	12.2	1
Luxembourg	LU	11.1	-1
Ireland	IE	8.3	1
Bulgaria	BG	5.9	0
Romania	RO	5.1	2
Croatia	HR	0.0	0
Finland	FI	0.0	0
France	FR	0.0	0
Germany	DE	0.0	0

Slovenia	SI	3.3	1
Bulgaria	BG	0.0	0
Cyprus	CY	0.0	0
Luxembourg	LU	0.0	0
Malta	MT	0.0	0
Sweden	SE	0.0	0

Greece	GR	0.0	0
Latvia	LV	0.0	0
Sweden	SE	0.0	0
Cyprus	CY		
Malta	MT		
Norway	NO		

Figure 23, Page 58: Dispersion in the energy component of retail prices for households in capitals – December 2014 (euros/year)

Source: ACER Retail Database (November–December 2014) and ACER calculations.

Electricity						
	Min	10% percentile vs. Min	Var. 10% percentile	Var. 90% percentile	90% Percentile vs. Max	Eur/year
AT	197	9.05	71.52	54.32	87.47	126
BE	247	4.90	68.25	88.66	138.13	157
BG	181	0.00	0.00	0.00	0.00	0
CY	552	0.00	0.00	0.00	0.00	0
CZ	164	7.80	19.91	20.55	16.28	40
DE	16	114.59	130.61	118.14	258.08	249
DK	77	68.82	36.68	38.90	92.70	76
EE	159	2.08	14.37	22.68	8.33	37
ES	288	20.94	51.84	52.58	269.80	104
FI	142	46.62	29.75	35.89	37.68	66
FR	224	11.42	26.80	22.11	67.17	49
GB	313	31.16	79.42	83.36	51.44	163
GR	349	3.72	16.60	12.60	1.48	29
HR	217	4.49	13.18	10.43	0.37	24
HU	187	0.58	2.98	3.00	0.61	6
IE	521	6.63	37.23	49.25	5.21	86
IT	300	9.18	58.22	67.10	85.59	125
LT	195	0.00	0.00	0.00	0.00	0
LU	292	1.40	21.86	18.24	8.10	40
LV	168	0.00	0.00	0.00	0.00	0
MT	518	0.00	0.00	0.00	0.00	0
NL	193	47.28	34.71	41.09	83.44	76
NO	71	39.52	30.82	38.48	8.49	69
PL	113	98.52	26.43	29.86	80.50	56
PT	228	25.85	26.42	16.83	12.20	43
RO	159	0.00	0.00	0.00	0.00	0
SE	137	33.41	34.87	70.72	84.66	106
SI	236	1.26	13.13	19.02	2.33	32
SK	193	0.56	19.57	14.17	22.59	34

Gas						
Country	Min	10% percentile vs. Min	Var. 10% percentile	Var. 90% percentile	90% Percentile vs. Max	Eur/year
AT	342	28.99	88.82	87.66	89.09	176
BE	466	4.04	48.79	33.82	17.11	83
BG	504	0.00	0.00	0.00	0.00	0
CZ	422	33.57	36.27	32.28	89.98	69

DE	283	83.94	134.91	155.52	542.04	290
DK	317	32.30	21.71	23.36	34.21	45
EE	508	0.00	0.00	0.00	0.00	0
ES	414	19.13	52.40	47.29	160.44	100
FI	555	0.00	0.00	0.00	0.00	0
FR	233	295.70	98.73	97.01	25.50	196
GB	339	78.36	101.16	97.75	13.86	199
GR	627	0.00	0.00	0.00	0.00	0
HR	535	0.00	0.00	0.00	0.00	0
HU	436	0.00	5.91	8.75	4.26	15
IE	675	0.33	69.34	59.32	2.51	129
LT	406	0.00	0.00	0.00	0.00	0
LU	508	23.36	127.95	182.14	105.13	310
LV	443	0.00	0.00	0.00	0.00	0
NL	434	58.56	35.03	32.68	31.98	68
PL	442	0.00	0.00	0.00	0.00	0
PT	555	12.44	16.91	13.74	0.00	31
RO	222	0.00	0.00	0.00	0.00	0
SE	469	39.65	83.43	79.90	97.65	163
SI	422	41.25	21.83	13.37	7.75	35
SK	378	13.13	21.72	10.31	6.00	32
IT	431	5.87	115.86	63.00	558.25	179

Figure 24, Page 59: POTP price spread and annual savings available from switching from the incumbent standard offer to the cheapest offer on the market in capital cities in December 2014 – (euros/year and %/year)

Source: ACER Retail Database (November–December 2014) and ACER calculations.

Electricity						
		Minimum POTP	Maximum POTP	Incumbent Standard POTP	Savings on incumbent	% savings on incumbent
Austria	AT	681	964	779	98	13%
Belgium	BE	726	1,005	788	62	8%
Bulgaria	BG	329	329	329	0	0%
Cyprus	CY	893	893	893	0	0%
Czech Republic	CZ	501	579	557	55	10%
Germany	DE	776	1,515	1,220	445	36%
Denmark	DK	1,103	1,399	1,236	133	11%
Estonia	EE	508	565	565	57	10%
Spain	ES	805	1,300	906	102	11%
Finland	FI	475	661	581	106	18%
France	FR	602	755	650	48	7%
Great Britain	GB	638	896	787	149	19%
Greece	GR	688	727	727	39	5%
Croatia	HR	516	551	542	26	5%
Hungary	HU	474	483	483	9	2%
Ireland	IE	963	1,075	966	3	0%
Italy	IT	1,098	1,340	1,131	34	3%
Lithuania	LT	555	555	530	-24	-5%
Luxembourg	LU	711	763	711	0	0%
Latvia	LV	606	606	606	0	0%
Malta	MT	632	632	632	0	0%
Netherlands	NL	679	928	805	127	16%
Norway	NO	518	665	548	30	5%

Poland	PL	390	679	564	174	31%
Portugal	PT	795	895	915	120	13%
Romania	RO	312	312	497	184	37%
Sweden	SE	653	932	694	41	6%
Slovenia	SI	593	637	650	57	9%
Slovakia	SK	490	558	577	87	15%

Gas						
		Minimum POTP	Maximum POTP	Incumbent Standard POTP	Savings on incumbent	% savings on incumbent
Austria	AT	910	1,285	1,176	266	23%
Belgium	BE	903	1,029	982	79	8%
Bulgaria	BG	859	859	859	0	0%
Cyprus	CY			0		
Czech Republic	CZ	656	889	804	147	18%
Germany	DE	677	1,767	1,080	404	37%
Denmark	DK	1,252	1,399	1,236	-16	-1%
Estonia	EE	706	706	710	4	1%
Spain	ES	1,040	1,378	1,086	46	4%
Finland	FI	1,374	1,374	1,374	0	0%
France	FR	986	1,153	1,100	114	10%
Great Britain	GB	662	968	1,011	349	35%
Greece	GR	1,042	1,042	1,079	37	3%
Croatia	HR	788	788	788	0	0%
Hungary	HU	673	697	673	0	0%
Ireland	IE	920	1,069	1,072	152	14%
Italy	IT	1,203	1,460	1,261	58	5%
Lithuania	LT	709	709	653	-56	-9%
Luxembourg	LU	794	1,259	849	55	6%
Latvia	LV	750	750	750	0	0%
Malta	MT			0		
Netherlands	NL	1,048	1,239	1,188	140	12%
Norway	NO			0		
Poland	PL	836	836	781	-55	-7%
Portugal	PT	1,294	1,347	1,466	172	12%

Romania	RO	470	470	470	1	0%
Sweden	SE	1,665	2,041	1,841	175	10%
Slovenia	SI	937	1,040	1,073	136	13%
Slovakia	SK	727	789	782	54	7%

Figure 25, Page 61: Number of offers in capital cities and years since market liberalisation – 2014
Source: ACER Retail Database (2015) and ACER calculations.

Electricity			
		Years since market liberalisation	Number of offers
Austria	AT	13	53
Belgium	BE	7	19
Bulgaria	BG	0	1
Croatia	HR	6	4
Cyprus	CY	0	1
Czech Republic	CZ	8	69
Denmark	DK	11	83
Estonia	EE	5	40
Finland	FI	17	401
France	FR	7	22
Germany	DE	16	404
Great Britain	GB	24	69
Greece	GR	7	6
Hungary	HU	7	4
Ireland	IE	7	9
Italy	IT	9	23
Latvia	LV	7	1
Lithuania	LT	7	1
Luxembourg	LU	7	18
Malta	MT	0	1
Netherlands	NL	10	86
Norway	NO	22	100
Poland	PO	7	133
Portugal	PT	8	34

Gas			
		Years since market liberalisation	Number of offers
Austria	AT	12	28
Belgium	BE	7	14
Bulgaria	BG	0	1
Croatia	HR	6	1
Cyprus	CY		
Czech Republic	CZ	7	74
Denmark	DK	10	42
Estonia	EE	7	1
Finland	FI	0	1
France	FR	7	21
Germany	DE	16	290
Great Britain	GB	16	41
Greece	GR	0	1
Hungary	HU	7	4
Ireland	IE	11	6
Italy	IT	11	23
Latvia	LV	0	1
Lithuania	LT	7	1
Luxembourg	LU	7	9
Malta	MT		
Netherlands	NL	10	72
Norway	NO		
Poland	PO	7	1
Portugal	PT	4	16

Romania	RO	7	1
Slovakia	SK	7	23
Slovenia	SI	7	5
Spain	ES	11	54
Sweden	SE	18	378

Romania	RO	7	1
Slovakia	SK	7	18
Slovenia	SI	7	11
Spain	ES	11	25
Sweden	SE	7	20

Figure 26, Page 63: Switching rates for electricity and gas household consumers in 2014, annual average 2008-2013 and change 2013-2012 (%)
Source: CEER National Indicators database

Electricity			
		Switching rates 2008-2013	Switchig rates 2014
Hungary	HU		
Estonia	EE		
Romania	RO	0.0	0.0
Malta	MT	0.0	0.0
Latvia	LV	0.0	0.0
Lithuania	LT	0.0	0.0
Cyprus	CY	0.0	0.0
Bulgaria	BG	0.0	0.0
Luxembourg	LU	0.1	0.1
Greece	GR	1.0	0.1
Poland	PL	0.8	1.0
Slovakia	SK	1.9	2.6
Slovenia	SI	2.7	2.8
Croatia	HR		3.6
Austria	AT	1.4	3.7
Denmark	DK	3.7	3.7
France	FR	2.8	3.7
Czech Republic	CZ	4.2	4.9
Average	Average	4.8	6.3
Germany	DE	6.4	8.1
Italy	IT	4.6	8.1

Gas			
		Switching rates 2008-2013	Switchig rates 2014
Portugal	PT		
Norway	NO		
Malta	MT		
Hungary	IE		
Finland	FI		
Cyprus	CY		
Romania	RO	0.0	0.0
Latvia	LV	0.0	0.0
Luxembourg	LU	0.0	0.0
Lithuania	LT	0.0	0.0
Croatia	HR	0.0	0.0
Greece	GR	0.0	0.0
Bulgaria	BG	0.0	0.0
Poland	PL	0.0	0.1
Sweden	SE	0.5	1.3
Slovenia	SI	2.6	2.9
Slovakia	SK	2.8	4.1
Austria	AT	1.2	4.2
Average	Average	4.3	5.5
Italy	IT	4.3	6.2
Czech Republic	CZ	6.4	6.6

Sweden	SE	9.2	10.3
Finland	FI	7.7	11.0
Great Britain	GB	15.9	11.1
Spain	ES	9.1	11.8
Belgium	BE	9.8	12.2
Netherlands	NL	10.8	13.3
Norway	NO	11.0	13.3
Ireland	IE	13.2	14.0
Portugal	PT	7.8	31.1

France	FR	4.4	7.7
Germany	DE	6.0	8.4
Denmark	DK	3.7	9.6
Spain	ES	12.0	10.0
Estonia	EE	5.8	10.0
Great Britain	GB	14.6	10.8
Belgium	BE	11.2	13.9
Netherlands*	NL	10.8	13.3
Ireland	IE	13.4	16.7

Figure 27, Page 64: Proportion of electricity and gas consumers with a different supplier than their incumbent supplier – December 2014 (%)
Source: CEER National Indicators Database (2015) and ACER calculations.

Electricity				
		With new-entrants	With other non-incumbent suppliers	With incumbents
Great Britain	GB	8	58	34
Portugal	PT	4	43	53
Belgium	BE	0	46	54
Norway	NO		35	65
Czech Republic	CZ		31	69
Germany	DE		25	75
Spain	ES	6	11	83
Slovenia	SI		17	83
France	FR	10	0	90
Slovakia	SK	9	0	90
Croatia	HR	7	0	93
Hungary	HU	2	0	98
Poland	PO	1	1	98
Latvia	LV		1	99
Bulgaria	BG		0	100
Cyprus	CY	0	0	100
Romania	RO	0	0	100
Greece	GR	0	0	100
Lithuania	LT	0	0	100
Malta	MT	0	0	100
Austria	AT			
Denmark	DK			
Estonia	EE			

Gas			
	With new-entrants	With other non-incumbent suppliers	With incumbents
PT		65	35
GB	9	53	38
BE	4	47	50
IE	4	44	52
ES	31	3	66
SK	15	4	81
DE		18	82
FR	14	3	83
CZ		7	93
LU		7	93
DK		5	95
HU	2	0	98
PO	0	1	99
BG		0	100
GR	0	0	100
HR	0	0	100
LT	0	0	100
LV		0	100
RO		0	100
FI		0	100
SE			
NL			
AT			

Ireland	IE			
Italy	IT			
Luxembourg	LU			
Netherlands	NL			
Sweden	SE			
Finland	FI			

EE			
IT			
NO			
SI			
CY			
MT			

Figure 28, Page 65: Internal switching rates for electricity and gas household consumers in 2013 and annual average – 2010–2012 (%)
Source: DG Justice and Consumers (2014).

Electricity			
		Internal switching rates 2010-2012	Internal switching rates 2013
Cyprus	CY		
Greece	GR		
Malta	MT		
Croatia	HR		0.0
Austria	AT	1.7	1.0
Bulgaria	BG	0.3	1.0
Hungary	HU	0.7	1.0
Luxembourg	LU	2.7	1.0
France	FR	5.0	2.0
Germany	DE	6.3	2.0
Ireland	IE	6.3	2.0
Latvia	LV	3.7	2.0
Slovakia	SK	4.0	2.0
Slovenia	SI	1.3	2.0
Czech Republic	CZ	2.3	3.0
Finland	FI	4.0	3.0
Norway	NO	2.5	3.0
Average	Average	4.0	3.7
Great Britain	GB	5.7	4.0
Netherlands	NL	5.0	4.0
Poland	PO	5.0	4.0
Romania	RO	6.0	4.0
Spain	ES	5.0	4.0
Denmark	DK	1.7	5
Italy	IT	4.3	5.0
Sweden	SE	7.7	5.0
Belgium	BE	4.7	6.0
Lithuania	LT		8.0
Portugal	PT	5.7	9.0
Estonia	EE		13.0

Gas			
		Internal switching rates 2010-2012	Internal switching rates 2013
Cyprus	CY		
Lithuania	LT		
Malta	MT		
Norway	NO	1.0	
Finland	FI	1.0	

Sweden	SE	4.0	
Greece	GR	3.7	0.0
Hungary	HU	0.7	0.0
Croatia	HR		1.0
Estonia	EE	2.7	1.0
Latvia	LV	2.3	1.0
Poland	PO	2.3	1.0
Bulgaria	BG	3.0	2.0
Czech Republic	CZ	2.3	2.0
Germany	DE	7.3	2.0
Italy	IT	1.7	2.0
Luxembourg	LU	2.0	2.0
Romania	RO	5.0	2.0
Slovenia	SI	2.3	2.0
Spain	ES	3.3	2.0
Average	Average	3.0	2.5
Austria	AT	1.3	3.0
Denmark	DK	2.3	3.0
Ireland	IE	3.7	3
Portugal	PT	2.0	3.0
France	FR	5.0	4.0
Netherlands	NL	4.0	4.0
Slovakia	SK		5.0
Belgium	BE	3.7	6.0
Great Britain	GB	4.7	6.0

Figure 29, Page 66: Relationship between switching rates and annual savings available in capital cities – 2014 (%)

Source: CEER National Indicators Database (2015) and ACER calculations.

Electricity data			
	Country	Potential savings	Switching rates 2014
AT	Austria	98	3.7
BE	Belgium	62	12.2
BG	Bulgaria	0	0.0
HR	Croatia	26	3.6
CY	Cyprus	0	0.0
CZ	Czech Republic	55	4.9
DK	Denmark	133	3.7
EE	Estonia	57	
FI	Finland	106	11.0
FR	France	48	3.7
DE	Germany	445	8.1
GB	Great Britain	149	11.1
GR	Greece	39	0.1
HU	Hungary	9	
IE	Ireland	104	14.0
IT	Italy	34	8.1
LV	Latvia	0	0.0
LT	Lithuania	0	0.0
LU	Luxembourg	0	0.1
MT	Malta	0	0.0
NL	Netherlands	127	13.3
NO	Norway	30	13.3
PO	Poland	174	1.0
PT	Portugal	120	31.1
RO	Romania	184	0.0
SK	Slovakia	87	2.6
SI	Slovenia	57	2.8
ES	Spain	102	11.8
SE	Sweden	41	10.3

Trendline		
	Potential savings	Switching rates 2014
AT	98	3.7
BE	62	12.2
BG	0	0.0
HR	26	3.6
CY	0	0.0
CZ	55	4.9
DK	133	3.7
EE	57	
FI	106	11.0
FR	48	3.7
DE		
GB	149	11.1
GR	39	0.1
HU	9	
IE	104	14.0
IT	34	8.1
LV	0	0.0
LT	0	0.0
LU	0	0.1
MT	0	0.0
NL	127	13.3
NO	30	13.3
PO	174	1.0
PT		
RO	184	0.0
SK	87	2.6
SI	57	2.8
ES	102	11.8
SE	41	10.3

Gas data			
	Country	Potential savings	Switching rates 2014
AT	Austria	266	4.2
BE	Belgium	79	13.9
BG	Bulgaria	0	0.0
HR	Croatia	0	0.0
CY	Cyprus		
CZ	Czech Republic	147	6.6
DK	Denmark	0	9.6
EE	Estonia	4	10.0
FI	Finland	0	
FR	France	114	7.7

Trendline		
	Potential savings	Switching rates 2014
AT	266	4.2
BE	79	12.8
BG	0	0.0
HR	0	0.0
CY		
CZ	147	6.6
DK	0	9.6
EE	4	10.0
FI	0	
FR	114	7.7

DE	Germany	404	8.4
GB	Great Britain	349	10.8
GR	Greece	37	0.0
HU	Hungary	0	NA
IE	Ireland	152	16.7
IT	Italy	58	6.2
LV	Latvia	0	0.0
LT	Lithuania	0	0.0
LU	Luxembourg	55	0.0
MT	Malta		
NL	Netherlands*	140	13.3
NO	Norway		
PL	Poland	0	0.1
PT	Portugal	172	
RO	Romania	1	0.0
SK	Slovakia	54	4.1
SI	Slovenia	136	2.9
ES	Spain	46	10.0
SE	Sweden	175	1.3

DE			8.4
GB		349	10.8
GR		37	0.0
HU		0	0.0
IE		152	16.7
IT		58	6.2
LV		0	0.0
LT		0	0.0
LU		55	0.0
MT			
NL		140	13.3
NO			
PL		0	0.1
PT		172	
RO		1	0.0
SK		54	4.1
SI		136	2.9
ES		46	10.0
SE		175	1.3

Figure 30, Page 67: Relationship between switching rates and time since market liberalisation – 2014 (%)
Source: CEER National Indicators database (2015)

	Country	Years since market liberalisation	Switching rates 2014
AT	Austria	13	3.7
BE	Belgium	7	12.2
BG	Bulgaria	0	0.0
HR	Croatia	6	3.6
CY	Cyprus	0	0.0
CZ	Czech Republic	8	4.9
DK	Denmark	11	3.7
EE	Estonia	5	
FI	Finland	17	11.0
FR	France	6	3.7
DE	Germany	16	8.1
GB	Great Britain	24	11.1
GR	Greece	7	0.1
HU	Hungary	7	
IE	Ireland	7	14.0
IT	Italy	9	8.1
LV	Latvia	7	0.0
LT	Lithuania	7	0.0
LU	Luxembourg	7	0.1
MT	Malta	0	0.0
NL	Netherlands	10	13.3
NO	Norway	22	13.3
PL	Poland	7	1.0
PT	Portugal	8	31.1
RO	Romania	7	0.0
SK	Slovakia	7	2.6
SI	Slovenia	7	2.8
ES	Spain	11	11.8
SE	Sweden	18	10.3

	Country	Years since market liberalisation	Switching rates 2014
AT	Austria	12	4.2
BE	Belgium	7	13.9
BG	Bulgaria	0	0.0
HR	Croatia	6	0.0
CY	Cyprus		
CZ	Czech Republic	7	6.6
DK	Denmark	10	9.6
EE	Estonia	7	10.0
FI	Finland	0	
FR	France	7	7.7
DE	Germany	16	8.4
GB	Great Britain	16	10.8
GR	Greece	0	0.0
HU	Hungary	7	
IE	Ireland	11	16.7
IT	Italy	7	6.2
LV	Latvia	0	0.0
LT	Lithuania	7	0.0
LU	Luxembourg	7	0.0
MT	Malta		
NL	Netherlands	10	13.3
NO	Norway		
PL	Poland	7	0.1
PT	Portugal	4	
RO	Romania	7	0.0
SK	Slovakia	7	4.1
SI	Slovenia	7	2.9
ES	Spain	11	10.0
SE	Sweden	7	1.3

Figure 31, Page 68: Consumer perception of choice of suppliers and the switching process – 2013[1]
Source: DG Justice and Consumers (2014).

Electricity		
	Choice	Ease of switching
AT	7	6.4
BE	7.8	7.4
BG	1.6	2.1
HR	2.2	3.2
CZ	7.1	7.4
DK	6.8	6.8
EE	6.8	5.8
FI	8.1	7.2
FR	7.5	7.2
DE	8.1	7.6
GB	7.4	6.5
HU	5.5	4.3
IE	6.3	7.4
IT	6	6.4
LV	2.1	2.5
LT	4.6	3.8
LU	7.5	7.4
NL	8.3	7.2
NO	8.3	8.1
PO	4.8	5.3
PT	5.6	6.1
RO	4.6	4.5
SK	7	6.8
SI	7.5	7.6
ES	4.7	5.8
SE	8.6	7
CY		
GR		
MT		

Gas		
	Choice	Ease of switching
AT	6	6
BE	7.4	7.1
BG	5.2	5.9
HR	3.5	
CZ	7	7.1
DK	6	6.6
EE	3.4	4.7
FR	7.3	6.9
DE	7.4	7.1
GB	7.5	6.8
HU	5.4	4.6
IE	5.7	7.1
IT	5.9	6.3
LV	3.4	3.4
LU	7.4	7.5
NL	7.6	6.8
PO	5	5.6
PT	5.4	6.2
RO	3.5	4.1
SK	6.5	6.8
SI	7.4	7.6
ES	4.9	6.3
FI		
GR		
LT		
NO		
SE		
MT		
CY		

Figure 32, Page 72: Average annual mark-ups in electricity and gas retail markets for households from 2008 to 2014 for electricity and from 2012 to 2014 for gas – (euros/MWh)

Source: ACER Database, Eurostat and European power exchanges data (2015) and ACER calculations.

		Electricity 2008-2014	Gas 2012-2014
Austria	AT	17.9	11.5
Belgium	BE	17.0	14.3
Bulgaria	BG		0.6
Croatia	HR		6.3
Cyprus	CY		
Czech Republic	CZ	-6.6	5.8
Denmark	DK	10.3	2.7
Estonia	EE	0.9	1.4
Finland	FI	11.0	1.8
France	FR	4.4	9.6
Germany	DE	27.4	14.3
Great Britain	GB	35.2	14.3
Greece	GR	12.0	19.9
Hungary	HU	3.4	-3.0
Ireland	IE	30.5	10.2
Italy	IT	9.3	7.7
Latvia	LV	0.5	-2.7
Lithuania	LT	-1.6	0.8
Luxembourg	LU	19.3	19.0
Malta	MT		
Netherlands	NL	21.7	12.1
Norway	NO	10.0	
Poland	PL	10.7	-0.7
Portugal	PT	11.3	1.0
Romania	RO	-11.7	-14.2
Slovakia	SK	20.7	-0.1
Slovenia	SI	12.4	2.0
Spain	ES	11.7	4.2
Sweden	SE	14.8	10.3

Figure 33, Page 73: Electricity and gas mark-ups in a selection of countries with non-regulated retail prices from 2008 to 2014 for electricity and from 2012 to 2014 for gas (euros/MWh)

Source: Eurostat, NRAs and European power exchanges data (2015) and ACER calculations.

Electricity mark-up in a selection of countries							
Mark-up							
	2008	2009	2010	2011	2012	2013	2014
NO	14.91	9.66	0.66	4.14	10.16	13.06	17.09
FI	8.43	4.28	9.84	16.37	10.05	15.70	12.43
SE	11.50	16.21	4.22	14.36	25.34	16.17	16.11
NL	17.32	22.97	19.54	23.94	22.31	20.48	25.09
AT	5.68	6.42	13.62	26.22	21.43	23.84	27.76
LU	0.02	25.94	17.40	18.88	21.42	19.96	31.80
DE	17.99	15.22	30.78	27.51	30.12	36.00	34.38
IE	0.00	0.00	0.00	23.69	35.02	21.39	39.23
GB	29.12	15.02	32.84	34.15	39.03	39.13	56.98

Gas mark-up in a selection of countries							
Mark-up							
	2008	2009	2010	2011	2012	2013	2014
NO	0.00	0.00	0.00	0.00			
FI	0.00	0.00	0.00	0.00	4.77	0.60	0.00
SE	0.00	0.00	0.00	0.00	7.06	10.95	12.99
NL	0.00	0.00	0.00	0.00	14.05	9.24	12.99
AT	0.00	0.00	0.00	0.00	12.43	9.79	12.18
LU	0.00	0.00	0.00	0.00	24.73	18.43	13.83
DE	0.00	0.00	0.00	0.00	18.48	10.28	14.06
IE	0.00	0.00	0.00	0.00	9.91	8.47	12.21
GB	0.00	0.00	0.00	0.00	16.67	13.84	12.52

Figure 34, Page 75: Relationship between the wholesale price and the energy component of the retail price and evaluation of mark-up in household segments in countries with non-regulated retail prices from 2008 to 2014 for electricity and from 2012 to 2014 in gas (euros/MWh)

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

Electricity							
	2008	2009	2010	2011	2012	2013	2014
Retail	70.7	69.8	65.0	65.0	65.6	63.8	63.0
Wholesale	60.1	58.9	52.4	53.2	53.5	51.0	45.8
Mark-up	10.6	10.9	12.6	11.8	12.1	12.8	17.2

Gas							
	2008	2009	2010	2011	2012	2013	2014
Retail					37.4	34.5	34.1
Wholesale					31.8	30.4	26.9
Mark-up					5.8	4.0	6.7

Notes: Gas data are available only for the period 2012-2014.

Figure 35, Page 76: Relationship between the wholesale price and the energy component of the retail price and the evolution of the mark-up in electricity the household segment in a selection of countries with non-regulated retail prices from 2008 to 2014 - (euros/MWh)

Source: NRAs and European power exchanges data (2015) and ACER calculations.

Retail							
Country	2008	2009	2010	2011	2012	2013	2014
AT	67.8	71.0	71.0	80.2	76.8	75.8	70.5
BE		69.8	74.1	75.8	78.3	70.9	69.4
CZ			47.5	45.9	48.2	44.2	36.6
DE	80.1	79.8	87.7	80.7	84.5	86.6	77.2
DK	80.2	46.7	60.0	67.6	52.8	48.3	46.3
EE				31.8	48.3	47.9	46.0
ES	72.2	79.2	66.5	71.2	58.6	53.7	
FI	55.0	55.1	58.1	64.5	61.3	60.3	56.2
FR					53.1	57.4	59.7
GB	101.4	88.3	89.3	90.6	101.0	103.3	119.6
GR					55.0	65.8	78.7
HU					69.2	57.6	47.1
IE				90.6	103.6	93.5	101.7
IT	94.4	92.0	77.9	80.7	91.7	85.0	79.6
LT			45.1	47.5	47.9	48.1	49.1
LU	62.6	90.9	73.0	71.3	74.7	69.8	72.1
LV						55.8	
NL	84.8	91.4	78.9	77.9	78.8	76.2	74.5
NO	59.0	45.5	60.3	53.5	43.5	52.2	46.5
PL				57.4	63.2	58.6	55.5
PT	64.1	81.3	54.4	56.2	66.5	66.5	64.5
RO	35.7	31.4	33.4	32.0	25.9	36.6	37.5
SE	62.0	54.2	67.0	63.9	60.2	56.5	47.7
SI			54.2	60.5	62.3	61.2	58.5
SK			72.2	65.4	68.7	63.3	53.5
Average	70.7	69.8	65.0	65.0	65.6	63.8	63.0
Greece (new data)		67.3	68.4	72.7	79.2	92.8	94.4

Wholesale							
Country	2008	2009	2010	2011	2012	2013	2014
AT	62.1	64.6	57.4	54.0	55.4	52.0	42.7
BE		66.8	59.8	53.9	55.3	53.6	46.7
CZ			56.8	52.2	53.7	50.6	42.2
DE	62.1	64.6	56.9	53.2	54.4	50.6	42.8
DK	53.4	52.4	42.9	47.9	51.1	43.2	38.8
EE				44.8	41.5	44.8	39.5
ES	58.0	59.5	49.2	47.8	52.5	53.9	
FI	46.6	50.8	48.3	48.1	51.3	44.6	43.8
FR					56.7	54.0	46.2
GB	72.3	73.3	56.5	56.5	62.0	64.2	62.6
GR					60.1	44.0	59.5

HU					60.6	57.3	45.8
IE				66.2	67.9	71.3	61.9
IT	85.6	88.7	70.4	73.4	78.0	74.6	65.3
LT			47.7	46.4	46.9	51.0	53.3
LU	62.6	65.0	55.6	52.4	53.3	49.8	40.3
LV						55.3	
NL	67.5	68.4	59.4	54.0	56.5	55.7	49.4
NO	44.1	35.8	59.6	49.4	33.3	39.1	29.4
PL				50.4	50.0	47.8	43.7
PT	62.6	59.2	49.6	48.0	52.6	52.3	50.0
RO	54.0	37.3	39.2	54.7	53.0	38.6	37.7
SE	50.5	38.0	62.8	49.5	34.9	40.3	31.6
SI			25.3	60.9	57.6	47.0	43.7
SK			46.3	53.1	45.1	39.6	35.6
Average	60.1	58.9	52.4	53.2	53.5	51.0	45.8
Greece (new data)	46.4	47.5	63.4	60.1	44.0	59.5	

Mark-up							
Country	2008	2009	2010	2011	2012	2013	2014
AT	5.7	6.4	13.6	26.2	21.4	23.8	27.8
BE		3.0	14.3	21.9	23.0	17.3	22.7
CZ			-9.3	-6.3	-5.5	-6.4	-5.6
DE	18.0	15.2	30.8	27.5	30.1	36.0	34.4
DK	26.8	-5.7	17.1	19.7	1.7	5.1	7.5
EE				-13.0	6.8	3.1	6.5
ES	14.2	19.7	17.2	23.4	6.1	-0.3	
FI	8.4	4.3	9.8	16.4	10.0	15.7	12.4
FR					-3.6	3.4	13.5
GB	29.1	15.0	32.8	34.1	39.0	39.1	57.0
GR					-5.1	21.8	19.2
HU					8.6	0.3	1.3
IE				24.4	35.7	22.2	39.7
IT	8.8	3.4	7.5	7.3	13.7	10.4	14.3
LT			-2.7	1.0	0.9	-3.0	-4.2
LU	0.0	25.9	17.4	18.9	21.4	20.0	31.8
LV						0.5	
NL	17.3	23.0	19.5	23.9	22.3	20.5	25.1
NO	14.9	9.7	0.7	4.1	10.2	13.1	17.1
PL				7.0	13.2	10.8	11.8
PT	1.5	22.1	4.7	8.2	13.9	14.2	14.5
RO	-18.3	-5.9	-5.8	-22.7	-27.1	-2.0	-0.2
SE	11.5	16.2	4.2	14.4	25.3	16.2	16.1
SI			28.9	-0.4	4.7	14.2	14.8
SK			25.9	12.3	23.6	23.7	17.9
Average	10.6	10.9	12.6	11.8	12.1	12.8	17.2
Greece (new data)	20.9	20.9	9.3	19.1	48.8	34.9	

Figure 36, Page 78: Relationship between the wholesale price and the energy component of the retail price and the evolution of the mark-up in gas household segments in a selection of countries with non-regulated retail prices from 2012 to 2014 – (euros/MWh)

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

		Retail			Wholesale			Mark-up			Average 2012- 2014
		2012	2013	2014	2012	2013	2014	2012	2013	2014	
Austria	AT	38.1	36.7	36.8	25.6	26.9	24.6	12.4	9.8	12.2	11.5
Germany	DE	44.4	37.5	38.0	25.9	27.2	23.9	18.5	10.3	14.1	14.3
Great Britain	GB	42.5	41.5	36.6	25.9	27.6	24.1	16.7	13.8	12.5	14.3

Figure 37, Page 79: Relationship between the wholesale price and the energy component of the retail electricity price in the industrial segment in a selection of countries with non-regulated prices from – 2008–2014 (euros/MWh)

Source: NRAs and European power exchanges data (2015) and ACER calculations.

Retail							
Country	2008	2009	2010	2011	2012	2013	2014
AT		70.7	66.9	65.7	62.3	58.7	53.1
BE		71.1	67.2	68.2	66.7	60.7	57.4
CZ			71.2	63.2	61.1	56.3	45.9
DE		68.1	64.6	64.0	61.1	59.6	51.8
EE				35.1	31.6	44.7	42.8
FI	48.5	48.1	48.9	50.1	48.7	49.1	46.3
FR					47.4	52.9	54.7
GB	82.7	78.3	64.6	60.7	67.8	66.0	59.8
IT	104.8	100.0	86.5	98.4	105.2	97.8	89.8
LT							
NL		77.1	65.2	62.7	62.7	60.2	55.5
NO	44.6	38.0	46.7	42.1	34.5	39.2	34.0
PT				57.4	65.9	66.1	63.9
SE	56.4	46.9	59.0	53.6	48.2	48.4	42.0
Average of Value	67.1	66.2	65.1	61.3	60.2	60.0	56.3

Wholesale							
Country	2008	2009	2010	2011	2012	2013	2014
AT		70.0	61.6	56.5	56.5	52.7	43.8
BE		72.0	63.8	56.7	56.8	55.0	49.4
CZ			68.7	61.1	60.1	55.9	47.0
DE		70.0	61.6	56.5	56.5	52.7	43.8
EE				46.1	47.6	48.2	44.2
FI	50.5	47.3	52.5	49.5	47.8	44.7	42.3
FR					58.1	54.6	47.6
GB	74.9	71.0	51.5	57.3	60.1	59.6	58.8
IT	87.1	80.2	68.1	72.7	77.5	70.9	60.9
LT							
NL		81.6	68.5	61.5	61.4	59.7	53.2
NO	44.0	40.4	54.0	47.3	36.1	40.5	32.2
PT				47.3	52.0	52.3	51.1
SE	53.8	44.4	59.1	49.7	39.9	43.3	36.1
Average of Value	61.8	64.0	60.9	55.2	54.6	53.1	46.9

Mark-up							
Country	2008	2009	2010	2011	2012	2013	2014
AT		0.7	5.3	9.2	5.8	6.0	9.3
BE		-0.9	3.4	11.5	9.9	5.6	8.0
CZ			2.5	2.1	1.0	0.4	-1.1
DE		-1.9	3.0	7.5	4.5	6.9	8.1
EE				-11.0	-16.0	-3.5	-1.5
FI	-2.0	0.8	-3.6	0.6	0.9	4.4	4.0
FR					-10.7	-1.7	7.1
GB	7.8	7.3	13.0	3.4	7.6	6.3	1.0

IT	17.7	19.7	18.3	25.7	27.7	26.9	28.9
LT							
NL		-4.5	-3.3	1.3	1.4	0.5	2.3
NO	0.7	-2.4	-7.3	-5.2	-1.6	-1.3	1.8
PT				10.0	13.9	13.8	12.8
SE	2.5	2.4	-0.1	3.9	8.3	5.1	5.9
Average of Value	5.3	2.2	4.2	6.1	5.6	7.0	9.4

Figure 38, Page 82: Overall performance of markets for electricity and gas services by country – 2013 and change on 2012(index)

[Source: DG Justice and Consumers (2014).

Electricity			
	MPIsc	MPI (ranked)	Difference MPI - MPIsc
BG	37.0	48.9	11.9
ES	52.7	58.5	5.8
HR	49.0	63.9	14.9
GR		65.2	65.2
IT	60.6	65.7	5.1
EE	61.7	66.2	4.5
PT	60.1	66.3	6.2
LV	51.5	68.6	17.1
GB	65.2	69.3	4.1
PO	60.1	70.6	10.5
CY		70.7	70.7
HU	60.6	71.5	10.9
RO	60.2	72.7	12.5
CZ	68.2	72.9	4.7
SE	70.5	73.5	3.0
NO	71.2	73.8	2.6
IE	67.8	75.1	7.3
DK	68.5	75.4	6.9
BE	72.1	75.6	3.5
MT		76.1	76.1
NL	72.3	76.3	4.0
AT	69.2	77.0	7.8
FI	72.5	77.5	5.0
LT	63.3	77.7	14.4
SK	70.1	78.1	8.0
FR	71.4	79.2	7.8
LU	72.2	80.3	8.1
SI	73.7	81.0	7.3
DE	74.6	81.4	6.8

Gas			
	MPIsc	MPI (ranked)	Difference MPI - MPIsc
CY			0.0
FI			0.0
MT			0.0
NO			0.0
SE			0.0
HU	57.2	65.9	8.7
HR	55.1	68.5	13.4
ES	60.4	69.4	9.0
GB	66.2	70.5	4.3

IT	63.4	71.0	7.6
BG	62.8	72.0	9.2
CZ	67.5	72.0	4.5
AT	65.2	74.0	8.8
PT	64.7	74.0	9.3
RO	59.0	74.4	15.4
IE	66.6	74.6	8.0
LV	59.0	75.4	16.4
PO	63.7	75.5	11.8
BE	71.6	75.7	4.1
NL	70.5	75.8	5.3
DK	67.6	77.0	9.4
DE	70.4	77.4	7.0
FR	70.1	77.6	7.5
GR	67.1	78.5	11.4
SK	70.4	79.2	8.8
EE	62.6	79.3	16.7
LU	72.3	79.7	7.4
LT		84.2	84.2
SI	75.8	84.4	8.6

Figure 39, Page 83: Consumer's expectations, trust and perceived offer comparability in retail electricity and gas household markets – 2013

Source: DG Justice and Consumers (2014).

Electricity					
	Expectations	Trust	Comparability	Choice	Ease of switching
AT	8.3	6.9	6	7	6.4
BE	7.7	6.5	6.8	7.8	7.4
BG	4.5	3.1	4.6	1.6	2.1
HR	6.5	5.3	4.9	2.2	3.2
CY	6	6.3	6		
CZ	7.2	6	6.5	7.1	7.4
DK	8.2	7	5.1	6.8	6.8
EE	6.7	5.2	5.4	6.8	5.8
FI	8.3	7.3	6.3	8.1	7.2
FR	7.4	7.4	7.2	7.5	7.2
DE	7.9	7.4	7.6	8.1	7.6
GB	6.8	5.8	6	7.4	6.5
GR	5.8	5.4	5.7		
HU	6.7	6.7	6.3	5.5	4.3
IE	7.5	7	6.3	6.3	7.4
IT	6.8	5	5.6	6	6.4
LV	7.4	6.7	4	2.1	2.5
LT	7.5	6.8	8.1	4.6	3.8
LU	8	7.2	7.2	7.5	7.4
MT	6.9	7.2	6.7		
NL	8	6.6	6.6	8.3	7.2
NO	7.1	6.7	6.2	8.3	8.1
PO	6.9	6	6	4.8	5.3
PT	6.8	5	6	5.6	6.1
RO	6.6	6.5	7	4.6	4.5
SK	7.8	6.9	7.1	7	6.8
SI	8.4	6.9	7.4	7.5	7.6
ES	5.8	4.3	5	4.7	5.8
SE	8	6.4	5.7	8.6	7

Gas					
	Expectations	Trust	Comparability	Choice	Ease of switching
AT	7.8	6.4	5.9	6	6
BE	7.6	6.5	6.7	7.4	7.1
BG	7	5.7	6.9	5.2	5.9
HR	6.6	5.8	5.9	3.5	
CZ	7.1	5.9	6.4	7	7.1
DK	8.1	7.6	5.2	6	6.6
EE	7.8	7.3	6.9	3.4	4.7
FR	7.3	7.1	6.9	7.3	6.9
DE	7.4	7	7.1	7.4	7.1

GB	7	5.9	6.2	7.5	6.8
GR	7.4	7.4	7		
HU	6	6.1	5.7	5.4	4.6
IE	7.2	7.1	6.4	5.7	7.1
IT	6.9	5.9	6.4	5.9	6.3
LV	7.5	7.2	5.7	3.4	3.4
LT	8.2	7.2	8.7		
LU	7.5	7.2	7.6	7.4	7.5
NL	7.6	6.5	6.6	7.6	6.8
PO	7.2	6.4	6.8	5	5.6
PT	7.5	6.1	6.6	5.4	6.2
RO	6.9	6.8	6.9	3.5	4.1
SK	7.9	7	7.9	6.5	6.8
SI	8.4	7.8	7.9	7.4	7.6
ES	6.9	5.8	5.9	4.9	6.3
SE					
NO					
MT					
FI					
CY					

Figure 40, Page 85: ACER Retail Competition Index (ARCI) for electricity and gas household markets – 2014

Source: ACER Database, CEER National Indicators Database, DG Justice and ACER calculations based on IPA Advisory's methodology.

Electricity											
		CR3	Suppliers with mkt share > 5%	Annual entry exit (average 2012-2014)	Switching supplier + tariff change (average 2010-2014)	Percentages who have not switched	Ability to compare price easily	Number of offers per supplier	Price dispersion	Does the market meet expectations	Mark-up (average 2012 - 2014)
M	Austria	0.70	1.25	0.60	0.21		0.75	0.49	0.00	1.04	0.49
M	Belgium	0.38	0.93	0.32	0.89	0.51	0.76	0.53	0.00	0.86	0.46
M	Bulgaria	0.00	0.63	0.00	0.03	0.00	0.58	0.25	0.00	0.56	
M	Croatia	0.02	0.21	0.12	0.05	0.09	0.61	0.25	0.00	0.81	
M	Cyprus	0.00	0.21	0.00	0.00	0.00	0.75	0.25	0.00	0.75	
H	Czech Republic	0.35	0.74	0.53	0.46	0.34	0.72	0.51	0.00	0.80	1.11
L	Denmark	1.12		0.41	0.42		0.73	0.91	0.00	1.17	0.25
M	Estonia	0.27	0.42	0.83	0.20		0.68	0.83	0.00	0.84	1.08
L	Finland	1.07	0.83	0.77	0.78		0.79	1.25	0.00	1.04	0.85
H	France	0.03	0.37	0.21	0.41	0.11	0.80	0.44	0.00	0.82	0.10
M	Germany	0.94	0.74	0.53	0.70	0.28	0.84	0.59	0.00	0.88	0.18
H	Great Britain	0.70	1.11	0.58	1.05	0.73	0.67	0.59	0.00	0.76	0.00
H	Greece	0.00	0.19	0.48	0.07	0.00	0.63	0.26	0.00	0.64	0.78
H	Hungary	0.24	0.74	1.11	0.04	0.03	0.70	0.22	0.00	0.74	0.03
M	Ireland	0.13	0.83	0.06	1.23		0.79	0.56	0.00	0.94	0.23
M	Italy	0.28	0.21	0.60	0.68		0.70	0.52	0.00	0.85	0.85

H	Latvia	0.03	0.19	0.21	0.18	0.01	0.44	0.22	0.00	0.82	0.00
H	Lithuania	0.00	0.19	0.32	0.44	0.00	0.90	0.22	0.00	0.83	0.00
M	Luxembourg	0.04	0.42	0.00	0.15		0.90	0.75	0.00	1.00	0.49
M	Malta	0.00	0.21	0.00	0.00	0.00	0.84	0.25	0.00	0.86	
M	Netherlands	0.37	0.63	1.13	1.02		0.83	0.86	0.00	1.00	0.54
H	Norway	0.99	0.74	0.48	0.85	0.39	0.69	0.62	0.00	0.79	0.74
H	Poland	0.31	0.93	0.95	0.31	0.02	0.67	1.11	0.00	0.77	0.01
H	Portugal	0.07	0.37	0.21	1.11	0.53	0.67	0.94	0.00	0.76	0.34
H	Romania	0.46	0.93	0.63	0.31	0.00	0.78	0.22	0.00	0.73	0.00
H	Slovakia	0.15	0.56	1.06	0.34	0.11	0.79	0.22	0.00	0.87	0.00
H	Slovenia	0.56	1.11	0.05	0.28	0.19	0.82	0.28	0.00	0.93	0.80
H	Spain	0.15	0.56	0.69	0.85	0.19	0.56	0.43	0.00	0.64	0.53
L	Sweden	1.17	1.19		1.19		0.81	1.19	0.00	1.14	0.74

Gas											
	CR3	Suppliers with mkt share > 5%	Annual entry exit (average 2012-2014)	Switching supplier + tariff change (average 2010-2014)	Percentages who have not switched	Ability to compare price easily	Number of offers per supplier	Price dispersion	Does the market meet expectations	Mark-up (average 2012 - 2014)	
M	Austria	0.41	0.63	0.47	0.23		0.74	0.44	0.00	0.98	0.53
M	Belgium	0.42	0.93	0.28	0.92	0.84	0.74	0.52	0.00	0.84	0.27
H	Bulgaria	0.00	0.37	0.23	0.15	0.00	0.77	0.22	0.00	0.78	0.00
H	Croatia	0.61	0.56	0.00	0.01	0.00	0.66	0.22	0.00	0.73	0.00
M	Czech Republic	0.76	0.93	1.11	0.61	0.11	0.71	0.51	0.00	0.79	0.79
M	Denmark	0.08	0.56	0.28	0.47	0.09	0.58	0.85	0.00	0.90	0.96
L	Estonia	0.14	0.21	0.21	0.64		0.86	0.25	0.00	0.98	1.16
H	France	0.11	0.37	0.00	0.56	0.28	0.77	0.67	0.00	0.81	0.19
M	Germany	1.11	0.56	0.00	0.75	0.30	0.79	0.62	0.00	0.82	0.32
H	Great Britain	0.58	1.11	0.56	0.97	1.04	0.69	0.57	0.00	0.78	0.31
H	Greece	0.00	0.19	0.00	0.15	0.00	0.78	0.22	0.00	0.82	0.00

Figure 41, Page 86: The relationship between the level of competition and time since market liberalisation – 2014 (score, years)

Source: ACER Database, CEER National Indicators Database, DG Justice and ACER calculations based on IPA Advisory's methodology.

Electricity			
		CI	Years since liberalisation
AT	Austria	5.52	13
BE	Belgium	5.63	7
BG	Bulgaria	2.04	0
HR	Croatia	2.15	6
CY	Cyprus	1.96	0
CZ	Czech Republic	5.57	8
DK	Denmark	5.02	11
EE	Estonia	5.15	5
FI	Finland	7.38	17
FR	France	3.29	7
DE	Germany	5.69	16
GB	Great Britain	6.19	24
GR	Greece	3.05	7
HU	Hungary	3.85	7
IE	Ireland	4.77	7
IT	Italy	4.68	9
LV	Latvia	2.10	7
LT	Lithuania	2.90	7
LU	Luxembourg	3.74	7
MT	Malta	2.16	0
NL	Netherlands	6.37	10
NO	Norway	6.28	22
PL	Poland	5.08	7
PT	Portugal	5.00	8
RO	Romania	4.06	7
SK	Slovakia	4.09	7
SI	Slovenia	5.02	7
ES	Spain	4.60	11
SE	Sweden	7.43	18

Gas			
		CI	Years since liberalisation
AT	Austria	4.42	12
BE	Belgium	5.76	7
BG	Bulgaria	2.52	0
HR	Croatia	2.79	6
CY	Cyprus		0
CZ	Czech Republic	6.32	7
DK	Denmark	4.77	10
EE	Estonia	4.45	7
FI	Finland		0
FR	France	3.75	7
DE	Germany	5.26	16
GB	Great Britain	6.61	16
GR	Greece	2.16	0
HU	Hungary	2.86	7
IE	Ireland	5.04	11
IT	Italy	5.53	11
LV	Latvia	1.99	0
LT	Lithuania	2.33	7
LU	Luxembourg	3.30	7
MT	Malta		0
NL	Netherlands	6.36	10
NO	Norway		0
PL	Poland	2.46	7
PT	Portugal	5.00	4
RO	Romania	2.80	7
SK	Slovakia	3.73	7
SI	Slovenia	6.35	7
ES	Spain	6.16	11
SE	Sweden		7

Figure 43, Page 94: The difference between regulated POTP price and the cheapest offer in markets with regulated prices – December 2014 (euro/year)

Source: ACER Database.

Electricity			
Country	Regulated POTP price - Electricity	Minimum POTP price - Electricity	Difference minimum/regulated price (%)
BG	329	329	0
CY	893	893	0
DK	1258	1103	-12
ES	906	805	-11
FR	647	602	-7
GR	727	688	-5
HR	551	516	-6
HU	483	474	-2
LT	555	555	0
LV	606	606	0
MT	632	632	0
PL	573	390	-32
PT	858	795	-7
RO	312	312	0
SK	509	490	-4

Gas			
Country	Regulated POTP price - Gas	Minimum POTP price - Gas	Difference minimum/regulated price (%)
BG	859	859	0
CY			
DK	1759	1252	-29
ES	1083	1040	-4
FR	1070	986	-8
GR	1042	1042	0
HR	788	788	0
HU	673	673	0
LT	709	709	0
LV	750	750	0
MT			
PL	836	836	0
PT	1347	1294	-4
RO	470	470	0
SK	781	727	-7

Figure 44, Page 95: Average switching rates in countries with and without regulated electricity and gas prices – 2008–2013 and 2014 (%)

Source: CEER National Indicators Database.

Electricity		
Switching rates - countries without vs countries with regulated retail prices		
	2014	2008-2013
Countries without price regulation	8.1	6.5
Countries with price regulation	4.4	2.2

Gas		
Switching rates - countries without vs countries with regulated retail prices		
	2014	2008-2013
Countries without price regulation	7.9	6.4
Countries with price regulation	2.9	2.2

Figure 45, Page 97: Factors influencing consumer switching behaviour – 2014 - (1- not at all important; 10 - very important)

Source: ACER Questionnaire, February–April 2015.

Median	Electricity	Gas
Price	9.0	8.9
Salesman pressure	6.5	5.3
Quality and reliability of supply	5.6	5.4
Quality of customer service	5.5	5.0
Awareness of choice	5.4	4.4
Social pressure	4.4	4.9
Environmental issues	3.7	2.2

Figure 46, Page 97: Factors preventing electricity and gas consumers from switching – 2014 – (1 - not at all important, 10 - very important)

Source: ACER Questionnaire, February–April 2015.

Median	Electricity	Gas
Insufficient monetary gain	7.2	6.8
Lack of trust in new supplier	7.0	7.4
Perceived complex switching process	6.7	6.7
Too much 'hassle' to bother	6.2	6.0
Satisfaction with current supplier	5.9	5.7
Loyalty to existing supplier/brand	5.3	5.0
Lack of awareness of choice	5.3	4.9
Regulated price	5.3	4.9
Electricity/gas are not interesting for consumers	5.0	3.8
Too much choice	4.5	3.5

Figure 47, Page 99: Potential effect of exit fees on annual savings to be made from switching away from the incumbent in Europe – 2014 (% and euro)

Source: ACER Questionnaire, February–April 2015, and ACER Retail Database, November–December 2014.

MS	Net' savings	Gross' savings	Net' savings as % of incumbent price	Gross' savings as % of incumbent price	
PL	€ 155	€ 29	27%	5%	ele
GB	€ 117	€ 39	15%	5%	ele
DK	€ 103	€ 52	8%	4%	ele
NL	€ 45	€ 82	6%	10%	ele
IE	€ 54	€ 50	5%	5%	ele
ES	€ 82	€ 20	9%	2%	ele
NO	€ 41	€ 29	7%	5%	ele
SI	€ 12	€ 32	2%	5%	ele
HR	€ 28	€ 7	5%	1%	ele
SK	€ 15	€ 5	3%	1%	ele
GB	€ 324	€ 25	32%	3%	gas
IE	€ 102	€ 50	10%	4%	gas
NL	€ 60	€ 80	6%	7%	gas

Figure 48, Page 115: Share of electricity disconnections due to non-payment - 2013-2014 (%)
Source: CEER Database, National Indicators (2015).

Comparison Jurisdictions		% disconnection	
		2014	2013
GREAT BRITAIN	GB	0.0	0.0
LITHUANIA	LT	0.2	0.1
BELGIUM	BE	0.2	0.2
LUXEMBOURG	LU	0.3	0.3
IRELAND	IE	0.4	0.5
HUNGARY	HU	0.6	0.6
GERMANY	DE	0.8	0.8
AUSTRIA	AT	0.9	0.5
FRANCE	FR	1.0	
SLOVAK REPUBLIC	SK	1.1	1.0
POLAND	PL	2.0	
SPAIN	ES	2.3	
GREECE	EL	2.5	4.2
MALTA	MT	2.8	0.3
ITALY	IT	4.0	4.2
PORTUGAL	PT	5.6	6.7

Figure 49, Page 116: Share of gas disconnections due to non-payment - 2013-2014 (%)
Source: CEER Database, National Indicators (2015).

Jurisdiction	Abbr	% disconnections (gas)	
		2014	2013
GREAT BRITAIN	GB	0.0	0.0
LITHUANIA	LT	0.0	0.1
LUXEMBOURG	LU	0.0	0.3
BELGIUM	BE	0.1	0.2
SLOVAK REPUBLIC	SK	0.2	1.2
GERMANY	DE	0.4	0.4
AUSTRIA	AT	0.5	0.7
IRELAND	IE	0.6	0.9
POLAND	PL	0.7	
SPAIN	ES	0.9	1.0
FRANCE	FR	1.0	
HUNGARY	HU	1.4	1.4
GREECE	EL	1.7	2.0
ITALY	IT	2.1	1.5
PORTUGAL	PT	4.0	4.3

Figure 50, Page 120: Share of vulnerable customers in electricity – 2013–2014 (%)
Source: CEER Database, National Indicators (2015).

		2014	2013
comparison		%	%
PORTUGAL	PT	0.8	1.0
IRELAND	IE	1.3	1.3
ITALY	IT	3.2	3.7
FRANCE	FR	7.8	6.0
BELGIUM	BE	8.4	8.4
SPAIN	ES	9.8	9.9
GREECE	EL	10.5	7.2
MALTA	MT	10.9	10.8
ROMANIA	RO	11.0	12.5

Figure 51, Page 120: Share of vulnerable customers in gas – 2013-2014 (%)
Source: CEER Database, National Indicators (2015).

		2014	2013
COMPARISON		%	%
GREECE	EL	0.3	0.3
PORTUGAL	PT	0.4	0.4
IRELAND	IE	0.9	1.1
ITALY	IT	3.1	3.2
FRANCE	FR	8.2	6.0
BELGIUM	BE	9.7	8.5

Figure 52, Page 122: Single point of contact – 2014 (number of countries)
Source: CEER Database, National Indicators (2014–2015).

	Electricity	Gas
NRA	12	13
Energy Ombudsman	1	1
Government	1	1
Consumer Organisation	0	0
More than one responsible party	10	9
No single point exists	2	1
Other	2	2

Figure 53, Page 123: Choice of payment methods – 2014 (number of countries)
Source: CEER Database, National Indicators (2014-2015).

	Direct debit	Bank transfer	SEPA	Credit card	Cash	Other
Electricity	26	27	10	20	17	11
Gas	24	24	7	17	17	11

Figure 54, Page 124: Choice of contract terms relating to payment by country – 2014 (number of countries)

Source: CEER Database, National Indicators (2014–2015).

	Prepaid contract	Prepayment meter contract	Advanced payment/instalment contract	Online contract	Other
Electricity	10	7	18	16	5
Gas	7	7	19	15	4

Figure 55, Page 124: Information on household customer bills in MSs – 2014 (number of countries)
Source: CEER Database, National Indicators (2014–2015).

	Electricity	Gas
Other	11	10
Price comparison tools	4	4
Energy mix	20	10
Duration of contract	11	12
Estimated consumption	23	20
Actual consumption	29	24
Breakdown of price	27	22
Consumption period	27	25
DSO details	18	20
Suppliers' details	28	26
Payment modalities	20	16
Switching information	6	5
Customers' rights regarding the means of dispute settlement	21	19
Single point of contact	15	15

Figure 56, Page 125: Information on household customer bills in MSs – 2014 (number of information elements)
Source: CEER Database, National Indicators (2014-2015).

		Electricity	Gas
AUSTRIA	AT	12	12
BELGIUM	BE	10	10
BULGARIA	BG	6	9
CYPRUS	CY	5	0
CZECH REPUBLIC	CZ	11	11
GERMANY	DE	13	13
DENMARK	DK	6	6
ESTONIA	EE	8	9
GREECE	EL	10	6
SPAIN	ES	11	9
FINLAND	FI	10	10
FRANCE	FR	11	11
GREAT BRITAIN	GB	12	12
CROATIA	HR	4	8
HUNGARY	HU	10	9
IRELAND	IE	11	11
ITALY	IT	9	9
LITHUANIA	LT	14	14
LUXEMBOURG	LU	6	5
LATVIA	LV	8	5
MALTA	MT	5	
THE NETHERLANDS	NL	9	8
NORWAY	NO	10	
POLAND	PL	7	6
PORTUGAL	PT	9	9
ROMANIA	RO	8	7
SWEDEN	SE	9	6
SLOVENIA	SI	8	7
SLOVAK REPUBLIC	SK	8	6

Figure 57, Page 126: Share of household customers equipped with smart meters for electricity – 2014 (%)
Source: CEER Database, National Indicators (2014–2015).

	2013	2014
BG	0%	0%
CY	0%	0%
DE	0%	0%
EL	0%	0%
HR	0%	0%
HU	0%	0%
IE	0%	0%
LT	0%	0%
LU	0%	0%
PT	0%	0%
RO	0%	0%
SK	0%	0%
LV	1%	0%
FR	0%	0%
CZ	1%	1%
BE	0%	1%
GB	1%	2%
PL	3%	3%
AT	4%	4%
NO	7%	7%
NL	6%	15%
ES	29%	36%
SI	31%	37%
DK	49%	49%
EE	22%	50%
MT	0%	75%
FI	96%	97%
IT	98%	98%
SE	100%	100%

Figure 58, Page 127: Duration of supplier switching in electricity – 2014 (working days)
Source: CEER Database, National Indicators (2015).

		Legal maximum	Maximum in practice	On average	Requirement
AUSTRIA	AT	15	15	15	15
BELGIUM	BE	30	21	NA	15
BULGARIA	BG	50	NA		15
CYPRUS	CY	21			15
CZECH REPUBLIC	CZ	10	90		15
GERMANY	DE				
DENMARK	DK		20	14	15
ESTONIA	EE	21	14	14	15
GREECE	EL	36		2	15
SPAIN	ES	14	14	NA	15
FINLAND	FI	14	14	NA	15
FRANCE	FR	21	1	1	15
GREAT BRITAIN	GB	15			15
CROATIA	HR	21			15
HUNGARY	HU				
IRELAND	IE	21	7	7	15
ITALY	IT	26		NA	15
LITHUANIA	LT	15	21	15	15
LUXEMBOURG	LU	15		NA	15
LATVIA	LV		15		15
MALTA	MT				
THE NETHERLANDS	NL	20	20		15
NORWAY	NO		13	13	15
POLAND	PL			14	15
PORTUGAL	PT	15	15		15
ROMANIA	RO	21	21	21	15
SWEDEN	SE	14	NA	NA	15
SLOVENIA	SI	15			15
SLOVAK REPUBLIC	SK	21	21	16	15

Figure 59, Page 131: Mean share of classification of final household customer complaints directly addressed to NRAs weighted by the total number of complaints (electricity, in total 62,728 complaints)
Source: CEER Database, National Indicators (2015).

34%	Invoicing / billing and debt collection
13%	Price / tariff
11%	Contracts and sales
8%	Unfair commercial practices
7%	Provider change / switching
6%	Quality of supply
5%	Disconnection due to no or late payment
4%	Metering
4%	unclassified
3%	Connection to the grid
2%	Customer services
2%	Activation
1%	Redress

Figure 60, Page 132: Share of classification of final household customer complaints addressed to NRAs (electricity, total number of complaints given in brackets)

Source: CEER Database, National Indicators (2015).

	price-, contract- or billing- issues (Invoicing / billing and debt collection; Price / tariff; Contracts and sales)	grid-, disconnection- or metering issues (Connection to the grid; Metering; Quality of supply; Disconnection due to no or late payment)	others (Unfair commercial practices; Provider change / switching; Customer services; Redress; Activation)	unclassified	Total (directly addressed)
AT (2050)	37.0	37.0	26.0	0.0	2050.0
BE (87)	53.8	25.2	14.5	6.5	87.0
HR ()	0.0	64.0	36.0	0.0	
CY (26)	42.3	57.7	0.0	0.0	26.0
CZ (2542)	58.8	7.9	33.3	0.0	2542.0
DK (31)	70.0	26.0	5.0	1.0	31.0
EE (6)	34.0	71.0	0.0	5.0	6.0
FI (70)	51.0	38.0	10.0	1.0	70.0
FR (14412)	59.0	18.0	8.0	15.0	14412.0
EL (132)	46.2	19.6	6.8	27.4	132.0
HU (1599)	28.0	13.0	59.0	0.0	1599.0
IE (338)	72.2	11.6	12.7	3.5	338.0
IT (29840)	68.7	10.0	18.5	2.8	29840.0
LV (39)	23.0	11.0	5.0	61.0	39.0
LT (83)	52.0	45.0	3.0	0.0	83.0
LU (10)	10.0	90.0	0.0	0.0	10.0
MT (19)	89.5	0.0	10.5	0.0	19.0
NO (14)	35.7	57.1	7.1	0.1	14.0
PL (2344)	31.1	14.6	54.4	0.1	2344.0
PT (12405)	48.4	38.5	10.6	2.5	12405.0
RO (2539)	27.1	22.5	10.1	40.3	2539.0
SK (459)	37.8	22.0	38.4	1.8	459.0
SI (52)	4.0	90.0	6.0	0.0	52.0

ES (1640)	73.5	10.3	2.6	13.6	1640.0
SE (610)	31.0	32.0	6.0	31.0	610.0
NL (5803)	60.0	17.0	24.0	1.0	5803.0

Figure 61, Page 133: Share of classification of final household customer complaints addressed to NRAs (gas, total number of complaints given in Source: CEER Database, National Indicators (2015).

	price-, contract- or billing-issues (Invoicing / billing and debt collection; Price / tariff; Contracts and sales)	grid-, disconnection- or metering issues (Connection to the grid; Metering; Quality of supply; Disconnection due to no or late payment)	others (Unfair commercial practices; Provider change / switching; Customer services; Redress; Activation)	unclassified	Total (directly addressed)
AT (879)	43.0	30.0	27.0	0.0	879.0
BE ()	53.8	25.2	14.5	6.5	
BG (16)	36.0	64.0	0.0	0.0	16.0
CZ (1911)	57.5	6.3	36.2	0.0	1911.0
DK (31)	70.0	26.0	5.0	1.0	31.0
EE (1)	0.0	100.0	0.0	0.0	1.0
FR (14412)	59.0	18.0	8.0	15.0	14412.0
EL (20)	40.0	35.0	5.0	20.0	20.0
IE (143)	72.5	14.0	10.5	3.0	143.0
IT (15884)	70.5	8.6	19.1	1.8	15884.0
LT (18)	82.0	18.0	0.0	0.0	18.0
LU ()	50.0	50.0	0.0	0.0	
PL (257)	49.8	39.3	10.9	0.0	257.0
PT (2569)	49.9	24.5	23.6	2.0	2569.0
RO (852)	27.1	20.3	19.7	32.9	852.0
SK (421)	37.8	22.0	38.4	1.8	421.0
SI (1)	0.0	100.0	0.0	0.0	1.0
ES (588)	48.0	11.6	39.9	0.5	588.0
NL (5803)	60.0	17.0	24.0	1.0	5803.0

Figure 62, Page 149: Evolution of cross-border traded electricity (DA nominations) for a selection of borders in Europe – 2008 to 2014 (GWh)

Source: Energy market observatory system (EMOS) and ENTSO-E (2014).

	Sum of DA nom abs GWh
2008	
Qtr1	53,569
Qtr2	45,361
Qtr3	42,456
Qtr4	44,355
2009	
Qtr1	46,772
Qtr2	42,295
Qtr3	41,071
Qtr4	44,700
2010	
Qtr1	44,101
Qtr2	39,882
Qtr3	43,373
Qtr4	44,814
2011	
Qtr1	49,575
Qtr2	45,967
Qtr3	48,593
Qtr4	56,186
2012	
Qtr1	61,205
Qtr2	52,728
Qtr3	51,567
Qtr4	56,661
2013	
Qtr1	57,565
Qtr2	50,426
Qtr3	54,971
Qtr4	59,597
2014	
Qtr1	62,931
Qtr2	53,311
Qtr3	57,749
Qtr4	62,898

Figure 63, Page 149: Evolution of European wholesale electricity prices at different European electricity exchanges – 2008 to 2014 (euros/MWh)

Source: EMOS, Platts, PXs and data provided by NRAs through the ERI (2015) and ACER calculations.

Area2	2008	2009	2010	2011	2012	2013	2014
Germany (EPEX)	66	39	44	51	43	38	33
Nordic+Baltic Region (Nord Pool Spot)	48	36	54	46	33	40	34
Iberian Market (OMIE)	67	37	37	50	48	44	42
France (EPEX)	69	43	47	49	47	43	35
Italy (GME)	91	67	66	74	77	64	54

Figure 64, Page 150: Evolution of generation from wind, solar and gas-fired electricity plants in Europe – 2004 to 2014 (GWh)

Source: Eurostat and ENTSO-E (2015).

	Coal (gross)	Gas (gross)	Wind	Solar
2004	703029	343413	58680	725
2005	685409	365369	70297	1457
2006	691197	375079	81955	2491
2007	699163	421389	103926	3762
2008	625761	467751	118571	7421
2009	566457	423856	131855	14093
2010	563213	424987	147851	23162
2011	590738	381817	178209	46954
2012	658016	267946	203576	70373
2013	624737	219885	233426	84685
2014	614990	206477	251060	95085

Figure 65, Page 151: NTCs (averages of both directions) on cross-zonal borders aggregated per region – 2010-2014 (MW)

Source: EMOS, ENTSO-E, CAO, Nord Pool Spot and Energinet.dk.

	2010	2011	2012	2013	2014
BALTIC	2,502	2,259	1,989	1,746	2,314
CEE	7,440	8,354	8,520	8,406	7,851
CSE	10,265	9,977	9,974	9,927	10,276
CWE	8,438	8,178	8,084	7,793	7,509
F-UK-I		2,359	2,732	3,091	3,375
NORDIC		11,422	10,928	10,221	10,690
SEE	800	2,978	2,887	3,668	3,339
SWE	1,969	2,521	2,804	2,684	2,978

Figure 66, Page 152: Change in NTC value per border in the CSE, CWE, and CEE regions – 2010-2014 (MW and %)

Source: EMOS, ENTSO-E (2015) and ACER calculations.

	2010-2014	2010-2014 %
IT->SI	496	324%
AT->CH	331	117%
CZ+PL->DE	271	25%
CZ->DE	270	25%
NL->DE	265	13%
SI->IT	160	49%
FR->IT	138	6%
AT->CZ	137	28%
NL->BE	-104	-8%
DE->NL	-136	-6%
CZ+DE+SK->PL	-167	-98%
AT->SI	-199	-22%
PL->CZ+DE+SK	-392	-33%
DE->FR	-507	-17%
CH->IT	-581	-19%
FR->BE	-613	-21%
FR->DE	-720	-29%

Figure 67, Page 153: Ratio between available NTC and aggregated thermal capacity of interconnectors – 2014 (% , MW)

Source: Data provided by NRAs through the ERI (2015), EMOS, ENTSO-E (2015) and ACER calculations.

	Indicated direction	Opposite direction	MW
DE->DK_E	0.953	0.930	600
IE->GB	0.912	0.967	530
FI->SE-3	0.926	0.925	1,275
NL->NO-2	0.929	0.909	730
FR->UK	0.915	0.915	2,000
NL->UK	0.853	0.852	1,000
EE->FI	0.838	0.795	1,000
EE->LV	0.771	0.798	1,014
NO-1->SE-3	0.744	0.732	2,200
DK_W->SE-3	0.699	0.750	745
DK_W->NO-2	0.673	0.638	1,266
DK_E->SE-4	0.688	0.581	2,020
DE->SE-4	0.649	0.558	690
NO-4->SE-2	0.354	0.545	400
GR->IT	0.448	0.448	500
FI->SE-1	0.330	0.437	3,200
NO-4->SE-1	0.449	0.318	1,350
NO-3->SE-2	0.295	0.445	2,000
PL->SE-4	0.166	0.566	660
AT->IT	0.480	0.213	452
HR->SI	0.353	0.336	4,104
DE->FR	0.399	0.290	6,204
HU->SK	0.275	0.395	2,771
DE->DK_W	0.416	0.236	2,166
CZ->SK	0.373	0.265	4,486
FR->IT	0.433	0.195	5,236
BE->FR	0.232	0.395	5,876
CZ->DE	0.409	0.199	6,653
BG->GR	0.345	0.258	1,225
AT->SI	0.241	0.334	2,837
IT->SI	0.306	0.230	2,120
DE->NL	0.255	0.258	8,734
LT->LV	0.171	0.324	2,843
CH->IT	0.295	0.199	8,635
ES->FR	0.215	0.260	4,013
PL->SK	0.236	0.218	2,078
CH->DE	0.339	0.093	11,809
HR->HU	0.234	0.195	5,131
ES->PT	0.205	0.214	9,676
BE->NL	0.211	0.196	6,325
AT->CH	0.138	0.268	4,446
CH->FR	0.107	0.299	10,358
AT->HU	0.161	0.187	3,199
CZ->PL	0.168	0.179	3,571

AT->CZ	0.170	0.161	3,634
HU->RO	0.143	0.142	2,451
CZ+DE+SK->PL	0.001	0.179	4,525
BG->RO	0.022	0.018	5,236

Figure 68, Page 162: Interconnection is limited to solve congestions inside the TSO control area – 2014 (%)
Source: Data provided by NRAs through the ERI (2015).

YES	44	46.3%
NO	51	53.7%
Not available	1	
TOTAL	95	100.0%

Figure 69, Page 165: Average UFs for three regions – 2014 (MW)
Source: Vulcanus (2015) and ACER calculations.

	abs 2014
AT-CZ	1,166
AT-DE	1,254
AT-HU	119
AT-SI	182
CZ-DE_50HZT	714
CZ-DE_TENNET	200
CZ-PL	763
CZ-SK	104
DE-PL	1,134
HU-SK	253
PL-SK	420
AT-CH	395
AT-IT	42
CH-DE	1,006
CH-FR	1,115
CH-IT	296
FR-IT	444
GR-IT-BRI	168
IT-SI	189
BE-FR	716
BE-NL	706
DE-FR	2,271
DE-NL	677

Figure 70, Page 166: Absolute aggregate sum of UFs for three regions – 2013–2014 (TWh)
Source: Vulcanus (2015) and ACER calculations.

	CEE		CSE		CWE	
	2013	2014	2013	2014	2013	2014
AT-CH			5,455,408	3,787,693		
AT-CZ	8,162,980	10,276,983				
AT-DE	10,076,793	11,727,730				
AT-HU	1,913,262	1,840,813				
AT-IT			708,104	552,492		
AT-SI	2,396,762	2,135,981				
BE-FR					7,230,496	7,325,881
BE-NL					7,143,205	7,246,996
CH-DE			8,765,053	9,306,484		
CH-FR			11,058,173	10,495,192		
CH-IT			3,455,086	3,877,071		
CZ-DE_50HZT	6,322,109	6,400,294				
CZ-DE_TENNET	2,594,283	2,662,055				
CZ-PL	5,534,005	6,693,471				
CZ-SK	2,547,882	1,908,142				
DE-FR					20,346,945	19,911,265
DE-NL					7,027,192	7,197,152
DE-PL	7,371,834	9,955,667				
FR-IT			3,852,806	4,461,438		
HU-SK	2,506,138	2,488,396				
IT-SI			2,145,038	2,296,331		
PL-SK	2,191,851	3,699,647				

Figure 71, Page 168: UFs mostly negatively impacting cross-zonal trade – 2014 (average capacity loss/gain in MW)

Source: Vulcanus, EMOS, ENTSO-E (2015), and ACER calculations.

BORDER	MW	MW
CH-AT	-171	-959
CH-DE	+25	-1,981
CH-FR	-2,217	-16
CH-IT	-961	-367
AT-SI	-184	-559
FR-BE	-205	-1,674
FR-DE	-3,597	+925
FR-IT	-185	-1,070
IT-AT	-170	-86
IT-SI	-195	-574
BE-NL	-205	-1,659
DE-NL	-1,632	-228
DE-PL	-1,780	+475
DE-CZ	-1,150	-108
DE-AT	0	0
AT-CZ	+497	-1,837
AT-HU	-252	-488
PL-CZ	-1,224	+280
PL-SK	-757	+96
CZ-SK	-518	-305
SK-HU	-642	-127

Figure 72, Page 170: Estimated loss of social welfare due to UFs on selected borders in the CEE, CSE and CWE regions – 2011–2014 (million euros)

Source: Vulcanus, EMOS, ENTSO-E (2015), and ACER calculations.

	Welfare loss LF	Welfare gain LF	Welfare loss UAF	Welfare gain UAF	TOTAL Welfare loss UF
CH-IT	309.2	-13.9	280.9	-26.3	549.8
2011	80.1	-0.6	26.8	-13.5	92.9
2012	105.3	-4.6	104.2	-4.7	200.2
2013	68.0	-2.3	55.2	-5.0	115.9
2014	55.8	-6.5	94.7	-3.2	140.8
DE-NL	259.5	-0.2	181.2	-15.2	425.4
2011	8.1	-0.1	2.1	-1.1	9.0
2012	47.5	0.0	38.6	-0.8	85.3
2013	122.4	0.0	88.0	-6.4	203.9
2014	81.6	0.0	52.5	-6.9	127.2
DE-PL	208.4	-10.1	102.1	-2.7	297.7
2011	21.3	-4.5	15.1	-0.7	31.3
2012	31.1	-0.6	13.1	-0.1	43.6
2013	35.0	-4.8	18.4	-1.6	47.0
2014	121.0	-0.2	55.4	-0.3	175.9
IT-SI	146.1	-36.9	187.8	-22.8	274.2
2011	21.4	-8.0	40.0	-4.0	49.4
2012	47.2	-5.9	37.0	-10.6	67.7
2013	31.5	-14.6	71.5	-2.1	86.4
2014	45.9	-8.3	39.2	-6.2	70.7
CH-DE	140.5	-4.5	407.1	-2.8	540.2
2011	47.6	-0.1	89.4	-0.2	136.7
2012	32.2	-1.0	133.1	-0.8	163.5
2013	39.5	-1.5	114.4	-1.1	151.3
2014	21.2	-1.9	70.2	-0.8	88.7
CH-AT	121.1	-1.9	149.1	-3.6	264.7
2011	14.8	-0.2	36.5	-0.1	50.9
2012	42.6	-0.2	48.7	-0.1	91.0
2013	31.3	-0.5	51.1	-0.1	81.8
2014	32.4	-0.9	12.8	-3.3	41.0
PL-CZ	114.0	-10.5	46.7	-3.5	146.6
2011	36.4	-2.4	11.4	-0.8	44.6
2012	37.1	-1.7	11.2	-2.2	44.4
2013	34.2	-3.2	16.6	-0.4	47.2
2014	6.2	-3.2	7.5	-0.1	10.5
FR-IT	83.2	-97.5	364.8	-16.8	333.7
2011	8.9	-37.0	125.6	-0.8	96.7
2012	29.1	-23.7	104.5	-3.9	106.0
2013	22.1	-14.1	69.6	-5.3	72.2
2014	23.2	-22.7	65.1	-6.8	58.8
FR-DE	81.7	-2.0	79.3	-0.2	158.9
2011	38.4	0.0	36.1	0.0	74.5
2012	5.1	-1.0	7.3	0.0	11.3
2013	14.3	-0.3	16.1	0.0	30.0

2014	23.9	-0.5	19.8	-0.2	43.0
DE-CZ	37.6	-5.6	61.8	-9.9	83.9
2011	10.0	-1.4	13.9	-1.9	20.6
2012	9.3	-1.8	17.1	-3.0	21.6
2013	12.1	-1.7	17.6	-3.7	24.3
2014	6.1	-0.6	13.3	-1.2	17.5
CH-FR	31.8	-1.4	94.9	-2.8	122.4
2011	3.7	-0.2	13.9	-0.5	16.9
2012	13.1	-0.5	32.7	-0.7	44.6
2013	7.8	-0.2	29.8	-0.7	36.7
2014	7.2	-0.6	18.5	-0.9	24.2
BE-NL	29.5	-17.4	84.9	-1.3	95.7
2011	6.4	-4.6	31.5	-0.3	32.9
2012	5.4	-2.8	9.9	-0.5	12.0
2013	9.2	-8.5	33.7	-0.3	34.2
2014	8.5	-1.5	9.8	-0.2	16.6
FR-BE	6.4	-27.6	88.2	-0.6	66.4
2011	0.1	-0.5	4.5	0.0	4.1
2012	3.1	-1.5	14.1	-0.2	15.6
2013	1.9	-8.4	20.1	-0.2	13.5
2014	1.3	-17.2	49.4	-0.2	33.2

Figure 73, Page 172: Average curtailed capacity and number of curtailed hours per border – 2013 and 2014 (MW and hours/year)

Source: Data provided by NRAs through the ERI questionnaire (2015).

Border	year	Average MW curtailment	Number of hours
FR->ES	2013	118	7
	2014	244	52
GR->BG	2013	195	59
	2014	250	48
BG->GR	2013	245	59
	2014	250	48
DE->DK1	2013		
	2014	50	57
DK2->DE	2013		
	2014	150	73
DE->DK2	2013		
	2014	150	73
NL->GB	2013	453	62
	2014	492	187
FR->CH	2013	159	163
	2014	227	90
ES->FR	2013	248	57
	2014	179	240
FR->IT	2013	577	245
	2014	387	211
SI->IT	2013	91	334
	2014	87	166
IT->AT	2013	52	70
	2014	67	896
AT->IT	2013	63	268
	2014	132	961
IT->GR	2013	469	864
	2014	496	341
GR->IT	2013	447	991
	2014	453	476
CH->IT	2013	361	698
	2014	389	1,128
GB->FR	2013	393	1,432
	2014	274	1,553
FR->GB	2013	416	1,595
	2014	312	1,702
GB->IE	2013	418	3,293
	2014	530	327
IE->GB	2013	397	3,293
	2014	500	327

Figure 74, Page 172: Total curtailment costs per border – 2013 and 2014 (thousand euros)

Source: Data provided by NRAs through the ERI questionnaire (2014, 2015) and ACER calculations.

	2013	2014
CH->DE	2,681	0
UA->HU	8,831	
DE->CH	12,643	0
IT->CH	2,564	0
CH->AT	783	0
GR->FYROM		703
GR->TR	1,518	1,518
IT->AT	301	1,941
IE->GB	6,033	2,059
IT->FR		11,062
FYROM->GR		16,769
GB->NL	197,946	17,128
BG->GR	24,068	44,364
GB->FR	807,553	51,332
FR->CH	82,229	53,363
ES->FR	211,612	102,454
IT->GR	111,359	111,359
FR->ES	69,357	118,950
SI->IT	502,712	241,341
GB->IE	5,661,833	1,026,575
FR->IT	3,022,625	1,197,653
NL->GB	139,902	1,198,157
GR->IT	2,418,188	2,418,188
AT->IT	328,270	2,730,571
CH->IT	1,832,740	3,909,650
FR->GB	8,942,479	9,085,220

Figure 75, Page 173: Congestion revenues – 2014 (million euros)
Source: Data provided by ENTSO-E (2015).

	2014
BA	2.13
PT	3.24
ME	6.97
HR	7.76
CZ	9.11
AL	16.38
RO	17.65
MK	18.35
PL	23.30
RS	25.53
SK	29.55
LV	34.71
IE	35.94
EE	37.06
GR	48.66
SI	50.08
FI	51.25
BG	53.59
BE	54.49
HU	55.21
DK	59.00
ES	64.84
AT	65.84
NO	87.13
CH	103.84
SE	105.29
GB/NL	106.60
NL	142.34
GB	147.43
DE	177.97
IT	258.28
FR	414.60

Figure 77, Page 179: Discrepancies between the auction price of PTRs (monthly auctions) and the DA price spreads, before and after market coupling, for a selection of EU borders – various periods (euros/MWh)

Source: CAO, CASC and Platts (2015) and ACER calculations.

Border - direction	Ex - post risk premium - before	Ex - post risk premium - after
DE -> FR	-0.621	0.300
FR ->DE	-0.979	-0.084
DE -> NL	-1.988	-1.000
NL -> DE	-1.274	0.098
HU -> SK	-0.937	-0.018
SK -> HU	-4.177	0.887

Figure 78, Page 180: Relation between the ratio of requested/offered capacity and risk premia for a selection of TRs in Europe – 2009 to 2014 (euros/MWh)

Source: CAO, CASC and Platts (2015) and ACER calculations.

Ex-post risk premium	Sum of capacity requested / capacity offered
-0.6	8.9
-3.5	7.2
-3.2	7.4
-3.2	6.4
-0.6	9.8
-3.6	5.6
-0.6	9.5
-0.1	6.6
0.8	7.3
0.0	9.3
-1.2	7.6
-1.1	7.4
-0.7	7.1
0.0	8.2
-0.4	9.9
-3.1	7.1
-4.2	5.3
-10.9	3.4
0.4	9.1
-0.4	5.6
-1.3	4.1

Figure 80, Page 185 : DA price convergence in Europe by region (ranked) – 2008–2014 (% of hours)
Source: EMOS, Platts, PXs and data provided by NRAs through the ERI (2015) and ACER calculations.

Region	Year	Full price convergence	Moderate price convergence	Low price convergence	Full price convergence
SWE (2)	2008	41%	35%	23%	41%
	2009	80%	18%	2%	80%
	2010	82%	14%	4%	82%
	2011	93%	5%	2%	93%
	2012	91%	6%	3%	91%
	2013	90%	6%	4%	90%
	2014	95%	3%	1%	95%
CWE (4)	2008	8%	55%	37%	8%
	2009	12%	67%	20%	12%
	2010	22%	59%	19%	22%
	2011	68%	15%	16%	68%
	2012	50%	23%	27%	50%
	2013	18%	19%	63%	18%
	2014	23%	29%	47%	23%
Nordic (11)	2008	14%	25%	61%	14%
	2009	36%	39%	25%	36%
	2010	27%	35%	38%	27%
	2011	31%	27%	42%	31%
	2012	30%	25%	46%	30%
	2013	31%	41%	29%	31%
	2014	17%	38%	46%	17%
Baltic (3)	2011	13%	70%	17%	13%
	2012	10%	57%	33%	10%
	2013	40%	36%	24%	40%
	2014	34%	20%	46%	34%
CEE (4)	2010	3%	62%	35%	3%
	2011	3%	59%	38%	3%
	2012	6%	50%	44%	6%
	2013	10%	48%	42%	10%
	2014	5%	44%	51%	5%
F-UK-I (2)	2008	5%	36%	59%	5%
	2009	7%	49%	44%	7%
	2010	11%	48%	42%	11%
	2011	9%	46%	45%	9%
	2012	10%	38%	52%	10%
	2013	4%	37%	59%	4%
	2014	4%	41%	64%	4%

CSE (8)	2010	0%	9%	91%	0%
	2011	0%	12%	88%	0%
	2012	0%	5%	94%	0%
	2013	0%	4%	96%	0%
	2014	0%	4%	96%	0%

Figure 81, Page 186: Monthly aggregated wind and solar production in Germany compared to price differentials in the CWE region – 2014 (TWh and euros/MWh)
Source: EMOS, Platts, ENTSO-E (2015) and ACER calculations.

Year	Month	Average hourly DA price differential (min-max) in the CWE region	Aggregated wind and solar production in Germany	Wind production in Germany	Solar production in Germany
2014	Jan	11	6.8	6.126	0.717
	Feb	10	7.8	6.195	1.616
	Mar	10	8.2	4.908	3.333
	Apr	11	7.4	3.659	3.695
	May	10	8.3	4.101	4.184
	Jun	7	7.7	2.756	4.989
	Jul	9	7.2	2.661	4.573
	Aug	16	8.7	3.845	4.835
	Sep	11	6.4	2.911	3.524
	Oct	11	6.3	4.324	1.942
	Nov	9	5.7	4.724	0.949
	Dec	15	9.4	8.96	0.419

Figure 82, Page 187: Monthly average available cross-border capacity (NTC) from Slovakia to Hungary and Hungarian wholesale electricity prices – 2014 (MW and euros/MWh)

Source: EMOS, Platts, ENTSO-E (2015) and ACER calculations.

	NTC SK->HU	Hungarian day-ahead price
2014		
Jan	1,125.60	42.72
Feb	1,192.86	35.10
Mar	1,169.62	33.23
Apr	1,200.00	41.56
May	1,200.00	36.60
Jun	1,186.11	39.76
Jul	1,181.18	39.31
Aug	1,162.90	35.99
Sep	895.83	40.56
Oct	695.97	53.00
Nov	1,045.00	46.21
Dec	1,100.00	41.66

Figure 83, Page 187: Monthly average price convergence between Slovenia and Italy Nord bidding zones compared to average available cross-border capacity – 2013–2014 (MW and %)

Source: EMOS, Platts, ENTSO-E (2015) and ACER calculations.

Years	Date	IT-SI		% full price convergence SI-ITNord (right axis)
		average NTC IT->SI	average NTC SI->IT	
2013	Jan	169	507	8.60%
	Feb	169	583	4.91%
	Mar	169	531	0.13%
	Apr	169	412	4.17%
	May	131	325	8.33%
	Jun	131	355	20.14%
	Jul	131	444	9.81%
	Aug	131	283	25.94%
	Sep	131	381	11.53%
	Oct	168	538	29.13%
	Nov	169	531	10.00%
	Dec	170	420	19.76%
2014	Jan	669	527	10.08%
	Feb	669	616	1.93%
	Mar	669	581	13.32%
	Apr	669	395	49.31%
	May	631	326	21.91%
	Jun	632	383	53.89%
	Jul	630	465	60.89%
	Aug	632	328	41.40%
	Sep	631	459	19.31%
	Oct	668	683	40.27%
	Nov	669	636	29.03%
	Dec	624	469	46.18%

Figure 84, Page 188: Monthly evolution of price convergence among the Czech Republic, Slovakia, Hungary and Romania – 2014 (%)

Source: EMOS, Platts, ENTSO-E (2015) and ACER calculations.

year	month	Full price convergence	Moderate price convergence	Low price convergence	Full price convergence
2014	Jan	5%	47.98%	0.470	0.050
	Feb	8%	65.63%	0.265	0.079
	Mar	5%	65.46%	0.292	0.054
	Apr	3%	39.17%	0.582	0.026
	May	5%	54.84%	0.399	0.052
	Jun	3%	39.44%	0.574	0.032
	Jul	4%	44.22%	0.520	0.038
	Aug	5%	43.28%	0.516	0.051
	Sep	5%	37.22%	0.578	0.050
	Oct	1%	15.84%	0.827	0.015
	Nov	21%	31.39%	0.481	0.206
	Dec	30%	30.51%	0.397	0.298

Figure 85, Page 190: Percentage of hours with net DA nominations against price differentials per border – 2013–2014 (%)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2015) and ACER calculations.

Border	2013	2014
IE-GB (MOYLE)	38%	43%
IE-GB (EWIC)	39%	43%
AT-CZ	33%	33%
CZ-DE	34%	33%
CH-FR	35%	30%
HU-RO	28%	23%
AT-CH	21%	21%
CH-DE	18%	20%
DE-PL	13%	19%
AT-HU	27%	19%
PL-SK	21%	18%
CZ-PL	11%	13%
AT-SI	23%	13%
GR-IT	12%	13%
NL-GB	27%	12%
FR-GB	16%	7%
FR-IT	8%	4%
ES-FR	7%	4%
PL-SE	7%	3%
CH-IT	5%	2%
AT-IT	2%	2%

Figure 86, Page 191: Percentage of available capacity (NTC) used in the 'right direction' in the presence of a significant price differential, all EU electricity borders – 2010–2014 (%)
Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2015) and ACER calculations.

	% of capacity used in the right direction	% of capacity unused in the right direction
2010	61%	39%
2011	67%	33%
2012	75%	25%
2013	77%	23%
2014	86%	14%

Figure 87, Page 192: Estimated 'loss in social welfare' due to the absence of market coupling, per border – 2013–2014 (million euros)

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2015) and ACER calculations.

Border	2013	2014
IE-GB (EWIC)	33.6	48.8
CH-FR	68.8	39.6
CH-DE	41.8	29.7
NI-GB (MOYLE)	21.0	21.5
AT-CZ	16.5	12.1
AT-CH	14.5	10.7
AT-SI	18.7	8.4
AT-HU	14.5	7.4
HU-SK	4.7	6.8
ES-FR	7.2	6.8
CH-IT	17.6	5.7
FR-IT	18.1	5.4
FR-GB	15.9	1.9
NL-GB	10.1	1.3

Figure 88, Page 194: Simulation results: gross welfare benefits from incremental gain per border – 2011–2014 (million euros)

Source: PCR project, including APX, EPEX SPOT, Nord Pool Spot, GME, OMIE.

Interconnector	Welfare Difference (€ mln)TS - RS			
	2014	2013	2012	2011
FR-GB	13.92	11.90	9.33	5.31
IT5-FR	12.88	17.72	25.50	18.76
FR-ES	12.79	10.50	5.96	7.53
NL-NO2	12.48	13.03	15.60	11.76
NL-GB	8.29	4.74	4.57	1.94
NL-DE	6.72	13.60	4.33	0.81
FR-BE	5.83	4.45	1.74	0.24
DE-SE4	5.33	6.47	9.50	6.29
DE-FR	4.70	6.10	3.20	4.07
NO1-SE3	4.62	2.74	2.01	3.68
NO2-DK1	4.39	4.22	3.79	6.08
DE-DK2	4.29	4.94	5.25	4.21
DE-DK1	4.07	4.95	6.29	4.42
SE1-FI	3.47	1.20	3.47	2.29
SE3-FI	3.17	1.76	3.00	0.60
BE-NL	2.00	5.26	2.16	3.63
SE4-PL	1.90	4.10	6.73	2.64
SE4-DK2	1.90	1.72	3.73	0.34
DK1-SE3	1.41	2.17	1.18	0.37
EE-FI	1.28	2.39	2.66	4.17
NO4-SE2	1.03	0.84	(0.40)	1.09
NO4-SE1	0.99	0.46	0.24	1.03
NO3-SE2	0.85	0.83	(0.49)	2.55
ES-PT	0.52	0.32	(0.67)	2.06

Figure 89, Page 195: ID traded volumes in a selection of EU markets – 2011 to 2014 (TWh)
Source: PXs and the CEER national indicators database (2015)

	2011	2012	2013	2014	Grand Total
SPAIN	45.73	46.87	33.24	31.12	156.96
GERMANY/AUSTRIA	15.60	14.10	19.70	26.38	75.78
ITALY	21.90	25.13	23.34	22.79	93.16
GREAT BRITAIN	20.80	13.62	13.96	14.56	62.94
PORTUGAL	2.89	5.24	5.37	3.69	17.20
NORDPOOL (EE, FI, NO, SE, DK)		2.50	2.90	3.68	9.08
FRANCE	1.69	2.17	2.90	3.32	10.08
SWITZERLAND			0.47	1.09	1.57
BELGIUM		0.51	0.65	0.80	1.96
THE NETHERLANDS	0.30	0.50	0.70	0.30	1.80

Figure 90, Page 196: Comparison of (potential) 15-minute schedules versus hourly schedules of electricity generation from solar energy in Germany on 21 June 2014 (MWh)

Source: ENTSO-E transparency platform (2015).

	Actual solar production	Potential 15-minute schedules	Potential hourly schedules
0	0	0.00	
0	0	0.00	
1	0	0.00	
1	0	0.00	
2	0	0.00	
2	0	0.00	
3	0	0.00	
3	0	0.00	
4	0	0.00	
4	0	0.00	
5	0	0.00	
5	0	0.00	
6	0	0.00	
6	0	0.00	
7	0	0.00	
7	0	0.00	
8	0	0.00	
8	0	0.00	
9	0	0.00	
9	0	0.00	
10	0	0.00	
10	0	0.00	
11	0	0.00	
11	0	0.00	
12	0	0.00	
12	0	0.00	
13	0	0.00	
13	0	0.00	
14	0	0.00	
14	0	0.00	
15	0	0.00	
15	0	0.00	
16	0	0.00	
16	0	0.00	
17	0	0.00	
17	0	2.00	
18	2	2.00	
18	2	9.20	
19	9.2	9.20	
19	9.2	45.50	
20	45.5	45.50	
20	45.5	127.90	
21	127.9	127.90	
21	127.9	324.50	

22	324.5	324.50	
22	324.5	593.90	
23	593.9	593.90	
23	593.9	916.60	
24	916.6	916.60	
24	916.6	1304.10	
25	1304.1	1304.10	
25	1304.1	1777.40	
26	1777.4	1777.40	
26	1777.4	2250.20	
27	2250.2	2250.20	
27	2250.2	2778.60	
28	2778.6	2778.60	
28	2778.6	3423.00	
29	3423	3423.00	
29	3423	4239.70	
30	4239.7	4239.70	
30	4239.7	5102.50	
31	5102.5	5102.50	
31	5102.5	6081.70	
32	6081.7	6081.70	
32	6081.7	6912.90	
33	6912.9	6912.90	
33	6912.9	7712.00	
34	7712	7712.00	
34	7712	8555.10	
35	8555.1	8555.10	
35	8555.1	9462.40	
36	9462.4	9462.40	
36	9462.4	10383.90	
37	10383.9	10383.90	
37	10383.9	11354.10	
38	11354.1	11354.10	
38	11354.1	12079.40	
39	12079.4	12079.40	
39	12079.4	12702.70	
40	12702.7	12702.70	
40	12702.7	13207.20	
41	13207.2	13207.20	
41	13207.2	13568.00	
42	13568	13568.00	
42	13568	13786.60	
43	13786.6	13786.60	
43	13786.6	13847.80	
44	13847.8	13847.80	
44	13847.8	13895.00	
45	13895	13895.00	
45	13895	13962.20	
46	13962.2	13962.20	
46	13962.2	13855.80	
47	13855.8	13855.80	
47	13855.8	13779.90	
48	13779.9		
48	13779.9		
49	13820.8		

49	13820.8		
50	14171.5		
50	14171.5		
51	14401.5		14043.425
51	14401.5		14043.425
52	14643.9		14043.425
52	14643.9		14043.425
53	14786.1		14043.425
53	14786.1		14043.425
54	14928.3		14043.425
54	14928.3		14043.425
55	14915.7		14043.425
55	14915.7		14043.425
56	15050.2		14043.425
56	15050.2		14043.425
57	14890.8		14043.425
57	14890.8		14043.425
58	14904.7		14043.425
58	14904.7		14043.425
59	14773		14043.425
59	14773		14043.425
60	14620.7		14043.425
60	14620.7		14043.425
61	14407.6		14043.425
61	14407.6		14043.425
62	13950.6		14043.425
62	13950.6		14043.425
63	13530.1		14043.425
63	13530.1		14043.425
64	13224.3		14043.425
64	13224.3		14043.425
65	12852.9		14043.425
65	12852.9		14043.425
66	12175.7		14043.425
66	12175.7		14043.425
67	11540.1		14043.425
67	11540.1		14043.425
68	10972.7		14043.425
68	10972.7		14043.425
69	10281.5		14043.425
69	10281.5		14043.425
70	9678		14043.425
70	9678		14043.425
71	8777.1		14043.425
71	8777.1		14043.425
72	7965.9		14043.425
72	7965.9		14043.425
73	7148.1		14043.425
73	7148.1		14043.425
74	6250.8		14043.425
74	6250.8		14043.425
75	5379.8		14043.425
75	5379.8		14043.425
76	4590.9		14043.425
76	4590.9		14043.425

77	3775.4		14043.425
77	3775.4		14043.425
78	3033.9		14043.425
78	3033.9		14043.425
79	2410.3		14043.425
79	2410.3		14043.425
80	1847.8		14043.425
80	1847.8		14043.425
81	1331.2		14043.425
81	1331.2		14043.425
82	893.8		14043.425
82	893.8		14043.425
83	540.2		14043.425
83	540.2		14043.425
84	302.9		14043.425
84	302.9		14043.425
85	162.4		14043.425
85	162.4		14043.425
86	77.6		14043.425
86	77.6		14043.425
87	21.5		14043.425
87	21.5		14043.425
88	0		14043.425
88	0		14043.425
89	0		14043.425
89	0		14043.425
90	0		14043.425
90	0		14043.425
91	0		14043.425
91	0		14043.425
92	0		14043.425
92	0		14043.425
93	0		14043.425
93	0		14043.425
94	0		14043.425
94	0		14043.425
95	0		14043.425
95	0		14043.425

Figure 91, Page 197: Evolution of ID 15-minute volumes in Germany – 2012–2014 (GWh and TWh)
Source: EPEX (2015).

	15-minutes products volumes traded in the German ID market (left axis)	Solar generation (reported to ENTSO-E) in Germany (right axis)
2012	1,288.5	27.6
1	22.9	0.5
2	27.0	1.0
3	108.6	2.3
4	106.0	2.6
5	136.9	4.0
6	135.6	3.6
7	155.1	3.7
8	171.8	3.9
9	142.9	2.9
10	122.2	1.8
11	83.1	0.8
12	76.4	0.4
2013	2,607.1	31.0
1	83.9	0.3
2	97.2	0.7
3	205.8	2.3
4	235.4	3.2
5	238.2	3.4
6	260.6	4.2
7	300.8	5.0
8	294.1	5.1
9	245.6	3.3
10	250.0	2.0
11	188.8	0.8
12	206.7	0.7
2014	4,867.0	34.8
1	230.6	0.7
2	308.7	1.6
3	419.4	3.3
4	407.4	3.7
5	425.5	4.2
6	445.3	5.0
7	471.6	4.6
8	481.5	4.8
9	469.9	3.5
10	467.9	1.9
11	395.5	0.9
12	343.7	0.4

Figure 92, Page 201: Evolution of the annual level (average values) of commercial use of interconnections (DA and ID) as a percentage of NTC values for all EU borders – October 2010–2014 (%)

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	0.321	0.018
2011	0.348	0.024
2012	0.379	0.029
2013	0.382	0.033
2014	0.400	0.041

Figure 93, Page 202: Level of ID cross-border trade: absolute sum of net ID nominations for a selection of EU borders – 2010–2014 (GWh)

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

	2010	2011	2012	2013	2014
CH-FR	1,012.1	907.7	3,619.6	4,496.1	4,694.7
DE-FR	2,076.7	2,829.1	2,762.1	2,524.1	3,057.4
ES-PT		1,675.4	2,044.4	2,426.2	2,274.2
CH-DE	1,676.3	1,716.8	1,382.8	1,400.4	1,506.5
AT-DE	1,019.6	1,412.9	1,354.4	1,999.9	2,124.3
ES-FR		823.1	1,069.6	1,023.5	837.6
BE-FR	685.2	1,088.9	1,035.1	1,065.2	658.1
CZ-DE	428.4	711.3	804.9	1,008.0	1,191.2
DE-NL	916.1	1,194.6	727.7	395.7	629.4
BE-NL	166.9	283.4	363.2	464.1	558.1
AT-SI	308.2	395.7	326.6	433.0	418.4
DE-PL	0.0	200.0	300.0	687.2	806.2
CZ-SK	31.3	137.4	177.9	217.7	193.6

Figure 94, Page 203: Allocation of ID cross-border capacity according to the time remaining to delivery for the French borders with Germany and Switzerland – 2014 (%)

Source: CRE (2015).

Time to delivery	CB trade	%
1	80,243	31%
2	41,633	16%
3	24,898	10%
4	17,254	7%
5	12,861	5%
6	9,957	4%
7	7,641	3%
8	6,028	2%
9	5,185	2%
10	5,073	2%
11	4,592	2%
12	4,145	2%
13	3,975	2%
14	3,716	1%
15	3,410	1%
16	3,496	1%
17	3,272	1%
18	3,189	1%
19	3,201	1%
20	3,301	1%
21	3,099	1%
22	2,734	1%
23	2,650	1%
24	3,002	1%
25	2,953	1%

Figure 95, Page 204: Level of utilisation of cross-border capacity in the ID timeframe when it has a value, for a selection of borders – 2014

Source: ENTSO-E, data provided by NRAs through the ERI, Vulcanus (2015) and ACER calculations.

border	Direction	% of hours when valuable ID capacity is utilised	Number of hours when intraday capacity is available (at least 100 MW) and has a value (> 1 euro/MWh ID price differential)	Number of hours when valuable intraday capacity is utilised (>50 MW nominated in the intraday timeframe)
ES-PT	ES->PT	100%	2	2
ES-PT	PT->ES	100%	61	61
FR-DE	FR->DE	73%	1,359	993
FR-DE	DE->FR	73%	1,338	983
ES-FR	ES->FR	63%	821	521
ES-FR	FR->ES	78%	1,096	860
FR-IT	IT->FR	30%	813	243
FR-IT	FR->IT	58%	694	402
FR-BE	FR->BE	27%	1,169	320
FR-BE	BE->FR	53%	3,688	1,956
FR-GB	FR->GB	23%	386	87
FR-GB	GB->FR	33%	612	201

Figure 96, Page 206: Weighted average prices of balancing energy activated from aFRR (upward and downward activation) in a selection of EU markets – 2014 (euros/MWh)

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

	Downward aFRR	Upward aFRR	Sum of Average spread + -
France	10.47	10.47	0.00
Norway (NO1-NO2-NO5)	27.17	29.72	2.55
Poland	41.83	45.74	3.91
Sweden (SE1-SE2)	29.85	35.57	5.72
Finland	33.79	41.33	7.54
Spain	31.61	45.35	13.74
Switzerland	27.86	52.81	24.96
Denmark (DKW)	15.84	46.52	30.69
Portugal	20.80	56.86	36.06
Belgium	19.84	58.82	38.98
Slovenia	20.40	63.69	43.29
Germany	20.17	79.09	58.92
Romania	0.22	63.09	62.88
Slovakia	60.00	140.00	80.00
The Czech Republic	0.04	85.30	85.26
Hungary	2.44	96.61	94.17
The Netherlands	-19.00	137.10	156.11
Austria	-210.89	165.25	376.14

Figure 97, Page 207: Level of concentration in the provision of balancing services from aFRR (capacity and energy) for a selection of MSs – 2014 (CR3)

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

	Balancing Energy	Balancing Capacity
Czech Republic	57.9	57.9
Poland	65.2	67.6
Germany	0.0	68.8
Slovakia	69.8	69.9
Hungary	69.9	74.0
Spain	79.0	79.0
Romania	94.3	94.6
Netherlands	75.5	100.0
Belgium	0.0	100.0
Portugal	100.0	100.0
Finland	100.0	100.0
France	100.0	100.0
Sweden	100.0	100.0

Figure 98, Page 208: Average prices of balancing capacity aFRR (upward and downward reserve capacity) in a selection of EU markets – 2014 (euros/MW)

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

	Upward	Downward
Germany	7.6	-5.2
Slovenia	5.3	-5.3
Netherlands	7.4	-7.4
Denmark (DK1)	8.0	-8.0
France	9.0	-9.0
Norway	9.7	-9.3
Switzerland	11.4	-11.4
Czech Republic	12.5	-12.5
Hungary	12.6	-13.7
Romania	14.1	-14.1
Austria	8.9	-14.3
Slovakia	16.7	-16.7
Sweden	19.2	-17.3
Belgium	23.0	-23.0
Spain	23.3	-23.3
Portugal	24.6	-24.6
Finland	34.3	-33.3

Figure 99, Page 209: Overall costs of balancing (capacity and energy) and imbalance charges over national electricity demand in a selection of European markets – 2014 (euros/MWh)

Source: Data provided by NRAs through the ERI, Platts and ACER calculations (2015).

	Balancing energy costs	Balancing capacity procurement costs	Imbalance charges	Sum of Total balancing costs (energy+reserves)/demand (Euros/MWh)
Slovakia	0.50	5.46	0.44	5.96
The Czech Republic	0.51	3.84	0.66	4.34
Romania	1.55	2.76	1.47	4.31
Hungary	0.91	2.54	1.70	3.44
Austria	1.89	1.20	0.73	3.09
Portugal	1.07	1.14	1.09	2.21
Spain	0.67	1.49	1.01	2.16
Switzerland	0.22	1.83	0.49	2.05
Great Britain	0.60	0.92	0.45	1.52
Germany	0.26	1.18	0.36	1.44
The Netherlands	0.30	0.62	0.40	0.93
Poland	0.15	0.56	0.17	0.71
France	0.14	0.56	0.19	0.69

Figure 100, Page 212: EU balancing energy activated abroad as a percentage of the amount of total balancing energy activated (upward) from mFRR in national BMs – 2014 (%)

Source: Data provided by NRAs through the ERI, Platts and ACER calculations (2015).

	Average of mFRR+-% imported energy
Great Britain	0.003
Czech Republic	0.121
Lithuania	0.212
Estonia	0.441

Figure 101, Page 212: EU balancing capacity contracted abroad as a percentage of the system requirements of reserve capacity (upward FCR) – 2014 (%)

Source: Data provided by NRAs through the ERI, Platts and ACER calculations (2015).

	Sum of FCR+-% imported reserves
Austria	4.63%
Sweden	8.85%
Romania	14.04%
Switzerland	16.90%
Slovakia	27.59%
Finland	55.80%

Figure 102, Page 213: Imbalance netting as a percentage of the total needs of balancing energy (activated plus avoided activation due to netting) from all types of reserves in national BMs – 2014 (%)

Source: Data provided by NRAs through the ERI, Platts and ACER calculations (2015).

	Sum of Total imbalance netting
Switzerland	0.077
Hungary	0.107
Czech Republic	0.154
Slovakia	0.212
Belgium	0.238
Austria	0.301
Germany	0.366
Netherlands	0.491

Figure 105, Page 222: EU gross inland consumption – 2014 (TWh/year and % variation with respect to 2013)
Source: Eurostat (Data series nrg_103m, July 2015).

MS	TOTAL DEMAND 2014	% 2014/2013 var
DE	845	-11.0%
UK	775	-8.6%
IT	655	-11.6%
FR	421	-13.1%
NL	376	-12.7%
ES	306	-9.3%
PL	173	-2.8%
BE	161	-12.4%
RO	127	-4.5%
HU	90	-8.8%
AT	82	-8.1%
CZ	80	-10.7%
IE	50	-3.4%
PT	42	-15.6%
SK	41	-33.6%
DK	36	-11.8%
FI	32	-12.2%
GR	32	-23.3%
BG	30	-0.9%
LT	27	-4.9%
HR	25	-8.7%
LV	14	-9.8%
LU	11	-5.3%
SE	10	-17.0%
SI	8	-9.4%
EE	6	-21.5%

Figure 108, Page 229: Traded volumes at main EU hubs and CAGR – 2012 to 2014 (TWh/year and %)
Source: GTS (NL), Huberator (BE), Gaspool (DE), NCG (DE), GRTgaz (FR), CEGH (AT), Snam (IT), Trayport (C)

hub	year	OTC	Exchange	TOTAL	CAGR
TTF (NL)	2012	7043	525	7568	
TTF (NL)	2013	7786	501	8287	
TTF (NL)	2014	12174	1042	13216	32%
NBP (UK)	2012	12728	6594	19322	
NBP (UK)	2013	10881	5642	16524	
NBP (UK)	2014	11115	9791	20906	4%
PEGs (FR)	2012	411	102	513	
PEGs (FR)	2013	431	184	615	
PEGs (FR)	2014	384	256	640	12%
GPL (DE)	2012	952	19	971	
GPL (DE)	2013	1202	37	1239	
GPL (DE)	2014	1230	38	1268	14%
NCG (DE)	2012	1434	44	1478	
NCG (DE)	2013	1628	68	1696	
NCG (DE)	2014	1882	99	1981	16%
PSV (IT)	2012	760	0	760	
PSV (IT)	2013	731	0	731	
PSV (IT)	2014	889	0	889	8%
ZEE+ZTP (BE)	2012	742	0	742	
ZEE+ZTP (BE)	2013	825	0	825	
ZEE+ZTP (BE)	2014	838	0	838	6%
CEGH (AT)	2012	432	23	455	
CEGH (AT)	2013	390	21	410	
CEGH (AT)	2014	438	23	461	1%

Figure 109, Page 236: Price evolution of oil and gas hubs in Europe – 2008 to 2014 (index)
Source: Platts (2014) and ACER calculations.

DATE	Variation index of the brent crude price to January 2011 price
Jan-08	96
Jan-08	96
Jan-08	95
Jan-08	93
Jan-08	95
Jan-08	95
Jan-08	91
Jan-08	90
Jan-08	90
Jan-08	89
Jan-08	87
Jan-08	88
Jan-08	89
Jan-08	88
Jan-08	88
Jan-08	87
Jan-08	87
Jan-08	90
Jan-08	89
Jan-08	91
Jan-08	90
Jan-08	89
Feb-08	88
Feb-08	88
Feb-08	88
Feb-08	88
Feb-08	87
Feb-08	87
Feb-08	91
Feb-08	94
Feb-08	93
Feb-08	93
Feb-08	94
Feb-08	95
Feb-08	94
Feb-08	95
Feb-08	97
Feb-08	96
Feb-08	94
Feb-08	96
Feb-08	96
Feb-08	95
Feb-08	96
Feb-08	96

DATE	Variation index of main NWE gas hubs DA average price to July-2011 price
Jul-08	120
Jul-08	121
Jul-08	123
Jul-08	125
Jul-08	124
Jul-08	125
Jul-08	125
Jul-08	125
Jul-08	122
Jul-08	123
Jul-08	121
Jul-08	121
Jul-08	120
Jul-08	122
Jul-08	122
Jul-08	119
Jul-08	120
Jul-08	122
Jul-08	122
Jul-08	123
Jul-08	118
Jul-08	107
Jul-08	94
Jul-08	95
Jul-08	113
Aug-08	100
Aug-08	96
Aug-08	96
Aug-08	98
Aug-08	97
Aug-08	106
Aug-08	116
Aug-08	113
Aug-08	108
Aug-08	106
Aug-08	107
Aug-08	108
Aug-08	109
Aug-08	113
Aug-08	115
Aug-08	119
Aug-08	119
Aug-08	116
Aug-08	122
Aug-08	123

Mar-08	97
Mar-08	93
Mar-08	96
Mar-08	97
Mar-08	98
Mar-08	99
Mar-08	100
Mar-08	100
Mar-08	100
Mar-08	100
Mar-08	95
Mar-08	97
Mar-08	94
Mar-08	93
Mar-08	93
Mar-08	94
Mar-08	93
Mar-08	95
Mar-08	96
Mar-08	95
Mar-08	95
Apr-08	92
Apr-08	92
Apr-08	96
Apr-08	95
Apr-08	98
Apr-08	98
Apr-08	99
Apr-08	99
Apr-08	99
Apr-08	100
Apr-08	102
Apr-08	101
Apr-08	102
Apr-08	103
Apr-08	103
Apr-08	105
Apr-08	106
Apr-08	106
Apr-08	109
Apr-08	108
Apr-08	106
Apr-08	104
May-08	101
May-08	106
May-08	110
May-08	112
May-08	113
May-08	114
May-08	116
May-08	116
May-08	116
May-08	114
May-08	116
May-08	116

Aug-08	122
Sep-08	129
Sep-08	138
Sep-08	134
Sep-08	132
Sep-08	132
Sep-08	133
Sep-08	135
Sep-08	137
Sep-08	137
Sep-08	135
Sep-08	138
Sep-08	142
Sep-08	144
Sep-08	140
Sep-08	142
Sep-08	139
Sep-08	140
Sep-08	140
Sep-08	140
Sep-08	141
Sep-08	143
Sep-08	134
Oct-08	128
Oct-08	123
Oct-08	124
Oct-08	122
Oct-08	120
Oct-08	118
Oct-08	110
Oct-08	106
Oct-08	102
Oct-08	119
Oct-08	104
Oct-08	108
Oct-08	101
Oct-08	112
Oct-08	116
Oct-08	122
Oct-08	118
Oct-08	132
Oct-08	140
Oct-08	143
Oct-08	138
Oct-08	138
Nov-08	136
Nov-08	137
Nov-08	134
Nov-08	129
Nov-08	126
Nov-08	119
Nov-08	111
Nov-08	95
Nov-08	99
Nov-08	93

May-08	114
May-08	116
May-08	120
May-08	121
May-08	120
May-08	120
May-08	119
May-08	119
May-08	121
May-08	119
Jun-08	120
Jun-08	118
Jun-08	115
Jun-08	115
Jun-08	124
Jun-08	124
Jun-08	126
Jun-08	126
Jun-08	124
Jun-08	127
Jun-08	127
Jun-08	124
Jun-08	123
Jun-08	124
Jun-08	125
Jun-08	127
Jun-08	127
Jun-08	123
Jun-08	127
Jun-08	129
Jun-08	128
Jul-08	131
Jul-08	131
Jul-08	132
Jul-08	134
Jul-08	131
Jul-08	125
Jul-08	125
Jul-08	127
Jul-08	133
Jul-08	131
Jul-08	125
Jul-08	122
Jul-08	123
Jul-08	120
Jul-08	119
Jul-08	116
Jul-08	117
Jul-08	116
Jul-08	114
Jul-08	116
Jul-08	113
Jul-08	114
Jul-08	115
Aug-08	116

Nov-08	96
Nov-08	103
Nov-08	107
Nov-08	109
Nov-08	112
Nov-08	116
Nov-08	114
Nov-08	113
Nov-08	114
Nov-08	116
Nov-08	118
Dec-08	116
Dec-08	106
Dec-08	105
Dec-08	105
Dec-08	104
Dec-08	104
Dec-08	104
Dec-08	107
Dec-08	112
Dec-08	112
Dec-08	106
Dec-08	106
Dec-08	104
Dec-08	98
Dec-08	101
Dec-08	96
Dec-08	98
Dec-08	104
Dec-08	104
Dec-08	104
Dec-08	113
Dec-08	109
Dec-08	101
Jan-09	101
Jan-09	102
Jan-09	106
Jan-09	122
Jan-09	123
Jan-09	124
Jan-09	125
Jan-09	113
Jan-09	110
Jan-09	117
Jan-09	129
Jan-09	122
Jan-09	107
Jan-09	103
Jan-09	100
Jan-09	102
Jan-09	105
Jan-09	106
Jan-09	107
Jan-09	114
Jan-09	117

Aug-08	113
Aug-08	109
Aug-08	108
Aug-08	110
Aug-08	109
Aug-08	108
Aug-08	107
Aug-08	108
Aug-08	109
Aug-08	107
Aug-08	108
Aug-08	109
Aug-08	108
Aug-08	116
Aug-08	113
Aug-08	110
Aug-08	112
Aug-08	112
Aug-08	112
Aug-08	113
Sep-08	108
Sep-08	106
Sep-08	106
Sep-08	104
Sep-08	105
Sep-08	105
Sep-08	103
Sep-08	100
Sep-08	101
Sep-08	100
Sep-08	94
Sep-08	89
Sep-08	89
Sep-08	92
Sep-08	96
Sep-08	101
Sep-08	101
Sep-08	101
Sep-08	99
Sep-08	101
Sep-08	97
Sep-08	96
Oct-08	96
Oct-08	94
Oct-08	94
Oct-08	90
Oct-08	89
Oct-08	85
Oct-08	87
Oct-08	80
Oct-08	79
Oct-08	80
Oct-08	74
Oct-08	70
Oct-08	72

Feb-09	119
Feb-09	115
Feb-09	110
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Figure 110, Page 237: Comparison of selected EU MSs hub and cross-border import prices – 2012 to 2014 (euros/MWh)

Source: Eurostat Comext, BAFA (2014).

	Germany average border imports (BAFA)	Spain pipeline imports from Algeria	Italian imports from Russia
Jan. 2012	29.74	28.59	34.63
Feb. 2012	29.13	28.43	37.18
Mar. 2012	29.63	28.06	36.72
Apr. 2012	29.84	28.03	33.00
May. 2012	29.76	30.30	31.00
Jun. 2012	28.45	29.11	31.51
Jul. 2012	28.14	29.33	33.73
Aug. 2012	28.88	31.23	34.65
Sep. 2012	28.48	30.68	36.45
Oct. 2012	28.31	30.16	34.93
Nov. 2012	28.80	28.89	35.40
Dec. 2012	28.50	28.65	34.90
Jan. 2013	28.50	27.87	33.28
Feb. 2013	28.23	28.35	31.69
Mar. 2013	28.12	27.94	32.37
Apr. 2013	28.00	28.63	32.23
May. 2013	28.04	28.78	32.85
Jun. 2013	27.68	27.92	31.96
Jul. 2013	27.42	26.35	31.41
Aug. 2013	27.02	26.31	30.99
Sep. 2013	26.37	24.89	31.13
Oct. 2013	27.35	26.06	26.87
Nov. 2013	26.96	27.00	29.35
Dec. 2013	27.03	26.94	28.95
Jan. 2014	27.70	25.58	27.98
Feb. 2014	26.58	25.67	29.86
Mar. 2014	25.22	25.26	29.51
Apr. 2014	23.98	26.66	27.61
May. 2014	22.43	26.88	27.51
Jun. 2014	22.45	26.72	22.96
Jul. 2014	20.55	25.75	23.21
Aug. 2014	20.18	26.63	22.77
Sep. 2014	21.10	26.75	21.63
Oct. 2014	22.84	26.37	22.49
Nov. 2014	23.52	27.82	24.69
Dec. 2014	23.52	28.03	25.15

Figure 112, Page 239: Comparison of CEE region MSs Russian supplies and average German import prices – 2012 to 2014 (euros/MWh)

Source: Eurostat Comext, BAFA.

	Czech Republic from Russia	Hungary from Russia	Slovakia from Russia	Germany average border imports
Jan. 2012	36.29	33.66	34.52	29.74
Feb. 2012	38.29	27.76	29.15	29.13
Mar. 2012	37.46	28.96	29.40	29.63
Apr. 2012	37.34	26.88	29.17	29.84
May. 2012	36.19	31.89	29.87	29.76
Jun. 2012	37.43	31.25	30.52	28.45
Jul. 2012	39.59	31.26	31.86	28.14
Aug. 2012	39.77	33.55	31.39	28.88
Sep. 2012	39.26	31.08	31.85	28.48
Oct. 2012	38.74	32.22	30.70	28.31
Nov. 2012	37.22	32.44	34.17	28.80
Dec. 2012	37.66	33.76	31.23	28.50
Jan. 2013	32.68	32.83	31.11	28.50
Feb. 2013	32.09	31.16	31.69	28.23
Mar. 2013	30.88	29.61	30.86	28.12
Apr. 2013	30.16	31.39	31.44	28.00
May. 2013	32.02	31.22	30.21	28.04
Jun. 2013	32.22	30.88	29.13	27.68
Jul. 2013	31.55	30.32	31.14	27.42
Aug. 2013	30.67	29.26	30.04	27.02
Sep. 2013	30.40	28.48	30.23	26.37
Oct. 2013	29.49	27.97	30.23	27.35
Nov. 2013	28.74	27.64	30.42	26.96
Dec. 2013	28.43	28.24	29.12	27.03
Jan. 2014	30.04	28.28	29.85	27.70
Feb. 2014	29.73	28.24	29.25	26.58
Mar. 2014	27.52	27.77	29.52	25.22
Apr. 2014	23.95	25.60	24.98	23.98
May. 2014	22.55	25.40	23.96	22.43
Jun. 2014	20.54	23.33	21.84	22.45
Jul. 2014	19.25	22.70	20.48	20.55
Aug. 2014	17.35	20.51	18.61	20.18
Sep. 2014	16.96	20.17	18.23	21.10
Oct. 2014	19.27	21.56	19.47	22.84
Nov. 2014	21.97	25.06	21.41	23.52
Dec. 2014	23.39	27.02	22.50	24.10
Jan. 2015	23.41	25.65	22.30	23.04
Feb. 2015	23.05	26.60	23.23	21.64
Mar. 2015	20.71	23.16	20.46	22.35

Figure 113, Page 240: Comparison of selected Mediterranean, South-Eastern and Baltic region MSs with average German import prices – 2012 to 2014 (euros/MWh)

Source: Eurostat Comext, BAFA.

	Germany average import price	Spain pipeline imports from Algeria	Italian imports from Algeria	Lithuanian imports from Russia	Greek imports from Russia	France LNG imports from Algeria
Jan. 2012	29.74	28.59	34.32	40.25	40.25	30.98
Feb. 2012	29.13	28.43	33.28	38.34	38.34	30.17
Mar. 2012	29.63	28.06	32.83	37.61	37.61	29.97
Apr. 2012	29.84	28.03	32.03	37.82	37.82	29.83
May. 2012	29.76	30.30	33.57	37.09	37.09	29.99
Jun. 2012	28.45	29.11	33.76	38.65	38.65	30.94
Jul. 2012	28.14	29.33	34.35	38.96	38.96	30.69
Aug. 2012	28.88	31.23	34.51	40.46	40.46	29.51
Sep. 2012	28.48	30.68	37.55	39.47	39.47	29.93
Oct. 2012	28.31	30.16	37.79	38.41	38.41	29.70
Nov. 2012	28.80	28.89	32.71	38.68	38.68	30.41
Dec. 2012	28.50	28.65	32.53	38.82	38.82	31.57
Jan. 2013	28.50	27.90	33.91	38.21	35.13	32.34
Feb. 2013	28.20	28.40	32.13	36.88	34.35	32.30
Mar. 2013	28.10	27.90	33.43	37.46	34.23	30.60
Apr. 2013	28.00	28.60	31.95	38.29	32.52	30.75
May. 2013	28.00	28.80	35.88	38.75	34.70	30.76
Jun. 2013	27.70	27.90	35.24	38.21	35.25	30.53
Jul. 2013	27.40	26.30	36.65	37.51	33.96	30.38
Aug. 2013	27.00	26.30	33.33	37.94	33.72	29.86
Sep. 2013	26.40	24.90	33.43	37.81	33.37	29.18
Oct. 2013	27.30	26.10	34.17	36.82	33.45	29.34
Nov. 2013	27.00	27.00	30.33	35.78	31.90	29.46
Dec. 2013	27.00	26.90	29.75	35.85	31.92	29.05
Jan. 2014	27.70	25.60	29.90	34.70	27.90	
Feb. 2014	26.60	25.70	32.00	36.00	27.50	
Mar. 2014	25.20	25.30	32.30	35.10	27.20	
Apr. 2014	24.00	26.70	30.80	35.00	27.20	
May. 2014	22.40	26.90	29.10	34.20	27.50	
Jun. 2014	22.40	26.70	28.00	35.10	29.00	
Jul. 2014	20.60	25.80	29.00	34.40	27.90	
Aug. 2014	20.20	26.60	30.10	34.90	28.30	
Sep. 2014	21.10	26.70	29.40	36.30	31.30	
Oct. 2014	22.80	26.40	29.80	37.30	28.90	
Nov. 2014	23.50	27.80	31.80	36.60	29.20	
Dec. 2014	23.50	28.00	30.20	35.30	30.10	

Figure 114, Page 243: EU MSs assessed gas suppliers' sourcing prices – 2014 yearly average (euros/MWh)
Source: Eurostat Comext, Platts, NRAs and ACER calculations.

Price setting mechanism / Data source	MS	2014 referential price
Gas import prices at the border	AUSTRIA	25.4
Hub hedging procurement	AUSTRIA	24.7
Hub hedging procurement	BELGIUM	23.9
Gas import prices at the border / Eurostat Comext	BULGARIA	30.9
Gas import prices at the border / Eurostat Comext	CROATIA	28.9
Gas import prices at the border / Eurostat Comext	CZECH REPUBLIC	24.3
Gas import prices at the border / BAFA	DENMARK	24.1
Gas import prices at the border / Eurostat Comext	ESTONIA	32.0
Gas import prices at the border	FINLAND	28.8
Gas import prices at the border	FRANCE	25.4
Hub hedging procurement PEG North	FRANCE	24.7
Hub hedging procurement PEG South	FRANCE	27.8
Gas import prices at the border / BAFA	GERMANY	24.0
Hub hedging procurement	GERMANY	23.9
Gas import prices at the border / Eurostat Comext	GREECE	28.2
Gas import prices at the border / Eurostat Comext	HUNGARY	26.4
UK hub hedging prices procurement + transmission charges	IRELAND	24.5
Gas import prices at the border / Eurostat Comext	ITALY	27.0
Hub hedging procurement	ITALY	25.7
Gas import prices at the border / Eurostat Comext	LATVIA	29.3
Gas import prices at the border / Eurostat Comext	LITHUANIA	35.3
Belgium hub hedging prices procurement + transmission charges	LUXEMBOURG	25.0
Hub hedging procurement	NETHERLANDS	23.7
Hub hedging procurement	POLAND	25.1
Gas import prices at the border / Eurostat Comext	PORTUGAL	31.8
Gas import prices at the border / Eurostat Comext	ROMANIA	26.7
Gas import prices at the border / Eurostat Comext	SLOVAKIA	25.4
Gas import prices at the border / Eurostat Comext	SLOVENIA	27.6
Gas import prices at the border / Eurostat Comext	SPAIN	26.2
Gas import prices at the border / Eurostat Comext	SWEDEN	27.6
Hub hedging procurement	UNITED KINGDOM	24.1

Figure 115, Page 244: Gross welfare losses per average household consumer in the EU by contrasting suppliers sourcing prices in gas wholesale markets – 2014 (euros/year)
Source: Eurostat Comext, Platts, NRAs, CEER Database Indicators data (2014) and ACER calculations.

MS	euros/year
LT	127.2
EE	91.6
PT	88.9
BG	79.7
LV	61.7
HR	57.5
GR	49.9
FI	49.1
SI	42.2
SE	39.4
IT l.t.	35.7
RO	35.1
SP	27.8
FR l.t.	26.4
HU	25.6
IT hub	20.7
PL	16.0
LU	13.2
AT l.t.	10.2
IE	8.6
AT hub	8.5
FR hub	8.3
SK	7.8
UK	4.7
DE hub	2.4
DK	2.3
DE l.t.	2.3
BE	1.6
CZ	0.9
NL	0.0

Figure 117, Page 248: Unitary net welfare gains considering suppliers sourcing prices in different EU MSs borders – 2014 (euros/MWh)

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

	Sum of Net price discount in euros/MWh if new entrant sells with no profit
LV > LT	5.046450967
98% Co Cp	5.046450967
97% Pk Cp	5.046450967
98% Ph Cp	5.046450967
SP > PT	4.760483372
6% Co Cp	4.760483372
46% Pk Cp	4.760483372
62% Ph Cp	4.760483372
RO > BU	2.949637492
0% Co Cp	2.949637492
100% Pk Cp	2.949637492
100% Ph Cp	2.949637492
LV > EE	2.695242972
100% Co Cp	2.695242972
100% Pk Cp	2.695242972
100% Ph Cp	2.695242972
AT hub > SI	2.229733705
33% Co Cp	2.229733705
8% Pk Cp	2.229733705
100% Ph Cp	2.229733705
HU > HR	2.213603152
100% Co Cp	2.213603152
100% Pk Cp	2.213603152
100% Ph Cp	2.213603152
DE hub > IT I.t.	1.754436341
4% Co Cp	1.754436341
4% Pk Cp	1.754436341
16% Ph Cp	1.754436341
IT hub > SI	1.613750468
100% Co Cp	1.613750468
100% Pk Cp	1.613750468
100% Ph Cp	1.613750468
BE hub > FR I.t.	1.599272999
2% Co Cp	1.599272999
14% Pk Cp	1.599272999
20% Ph Cp	1.599272999
DE hub > FR I.t.	1.437702807
13% Co Cp	1.437702807
31% Pk Cp	1.437702807
38% Ph Cp	1.437702807

AT hub > SK	1.286097277
100% Co Cp	1.286097277
(blank)	1.286097277
100% Re Cp	1.286097277
AT hub > IT I.t.	1.205373798
1% Co Cp	1.205373798
6% Pk Cp	1.205373798
24% Ph Cp	1.205373798
FR hub > SP	1.071792351
0% Co Cp	1.071792351
3% Pk Cp	1.071792351
6% Ph Cp	1.071792351
SI > HR	0.764669712
1% Co Cp	0.764669712
18% Pk Cp	0.764669712
33% Ph Cp	0.764669712
DE hub > PL	0.600464435
2% Co Cp	0.600464435
15% Pk Cp	0.600464435
19% Ph Cp	0.600464435
CZ > SK	0.296537238
81% Co Cp	0.296537238
100% Pk Cp	0.296537238
100% Ph Cp	0.296537238
BE hub > FR hub	0.269083201
2% Co Cp	0.269083201
14% Pk Cp	0.269083201
20% Ph Cp	0.269083201
DE hub > FR hub	0.2492784
13% Co Cp	0.2492784
31% Pk Cp	0.2492784
38% Ph Cp	0.2492784
DE hub > IT hub	0.184646225
4% Co Cp	0.184646225
4% Pk Cp	0.184646225
16% Ph Cp	0.184646225
DE hub > CZ	0.181589696
100% Co Cp	0.181589696
(blank)	0.181589696
100% Re Cp	0.181589696
AT hub > IT hub	0.169362537
1% Co Cp	0.169362537
6% Pk Cp	0.169362537
24% Ph Cp	0.169362537
AT hub > HU	0.135900647
3% Co Cp	0.135900647
0% Pk Cp	0.135900647
5% Ph Cp	0.135900647

Figure 118, Page 251: Yearly average used versus booked capacity at selected natural gas IPs in the EU – 2012 to 2014 (GWh/day)
Source: ENTSOG transparency platform and individual TSO data (2014) and ACER calculations.

IP sorted by capacity		Average used capacity	Average firm contracted capacity	Average firm technical available capacity	Peak capacity utilisation - on monthly average basis	Total Technical firm capacity
Velke Kapusany	UA to SK 2012	1468.32	1237.73	152.95	1957.76	2859
	UA to SK 2013	1528.8	666.32	152.88	1885.52	2348
	UA to SK 2014	905.7	1198.72	183.59	1462.9	2288
Baumgarten	SK to AT 2012	999.44	596.44	16.12	1289.6	1612
	SK to AT 2013	1185.6	358.8	15.6	1357.2	1560
	SK to AT 2014	932.9	550.94	128.17	1285.9	1612.0
Lanzhot	SK to CZ 2012	532.56	722.76	12.68	925.64	1268
	SK to CZ 2013	351	421.2	7.8	468	780
	SK to CZ 2014	16.8	505.53	8.03	98.7	530.4
	CZ to SK 2014	252.2	279.91	212.52	466.3	744.7
Arnoldstein / Tarvisio	AT to IT 2012	639.9	545.1	0	924.3	1185
	AT to IT 2013	912.45	272.55	0	1161.3	1185
	AT to It 2014	755.5	418.96	9.71	1055.9	1184.2
Waidhaus	CZ to DE 2012	549.18	376.29	91.53	701.73	1017
	CZ to DE 2013	610.2	274.59	132.21	762.75	1017
	CZ to DE 2014	520.3	347.63	203.51	755.3	1071.5
Mallnow	PL to DE 2012	717.64	214.36	0	904.04	932
	PL to DE 2013	848	84	0	913	932
	PL to DE 2014	845.5	85.7	0.33	921.8	931.5
Interconnector	BE to UK 2012	136.85	668.15	0	193.2	805
	BE to UK 2013	185.15	619.85	0	571.55	805

	BE to UK 2014	10.5	792.9	0	66.4	803.4
	UK to BE 2012	189.6	442.4	0	366.56	632
	UK to BE 2013	158	474	0	202.24	632
	UK to BE 2014	131.2	498.93	0	293.8	630.1
Nordstream	RU to DE 2012	380.75	60.92	319.83	441.67	761.5
	RU to DE 2013	673.79	180.31	94.9	854.1	949
	RU to DE 2014	1022	48.15	176.2374856	1061.722261	1246.90465
Emdem ETP	NO to NL 2012	285.75	292.1	57.15	393.7	635
	NO to NL 2013	303.15	366.6	35.25	380.7	705
	NO to NL 2014	260.6	429.77	298.73	314.3	989.1
Medelsheim / Obergailbach	DE to FR 2012	291.6	200.88	155.52	369.36	648
	DE to FR 2013	349.92	181.44	116.64	518.4	648
	DE to FR 2014	213.4	289.34	145.6	286.9	648.3
Griesspas	CH to IT 2012	251.9453814	415.4384791	0.0	467.9	667.4
	CH to IT 2013	209.0198308	409.2517531	49.1	488.7	667.4
	CH to IT 2014	336.325472	245.6328323	85.4	582.0	667.4
Taisnieres (H)	BE to FR 2012	327.8	68.4	193.8	376.2	590
	BE to FR 2013	341	84.1	183.9	406.2	609
	BE to FR 2014	446	153	67.94	508	668.3
Dunkerque	NO to FR 2012	491.4	77.1	0	532.35	568.5
	NO to FR 2013	450.45	118.05	0	544.05	568.5
	NO to FR 2014	458.3	110.26	0.00	521.4	568.5
Julianadorp	NL to UK 2012	195.22	-195.22	454	299.64	454
	NL to UK 2013	172.52	-172.52	574	286.02	574
	NL to UK 2014	196.4	-196.4	574.4	377.4	574.4
Bocholtz	NL to DE 2012	239.03	274.97	0	378.84	514
	NL to DE 2013	279.62	207.32	27.06	342.76	514
	NL to DE 2014	351.5	118.34	44.16	436.4	514
Tarifa	AL to ES 2012	220.1	39.05	95.85	259.15	355
	AL to ES 2013	234.3	31.95	88.75	262.7	355.0
	AL to ES 2014	222.8	48.8	83.3	269.5	354.8

Figure 119, Page 253: EU cross-border gas flows in 2014 and main variations from 2013 (bcm/year)

Source: IEA (2015) and ACER calculations.

Row Labels	Sum of volumes 2013	Sum of volumes 2014	% variations
Algeria	20.0	17.2	-14%
Spain	6.2	6.5	4%
Tunisia	13.8	10.7	-22%
Austria	42.4	33.3	-22%
Germany	6.4	1.2	-81%
Hungary	3.8	4.1	8%
Italy	30.3	26.2	-14%
Slovak Republic	0.0	0.0	-
Slovenia	1.8	1.7	-7%
Switzerland	0.1	0.1	-16%
Belarus	41.9	41.2	-2%
Lithuania	4.8	4.5	-5%
Poland	37.1	36.6	-1%
Belgium	27.8	27.3	-2%
France	15.9	18.8	18%
Germany	5.1	3.1	-38%
Luxembourg	0.6	0.5	-14%
Netherlands	3.1	4.5	46%
United Kingdom	3.2	0.4	-89%
Bulgaria	15.5	14.6	-6%
Greece	2.6	1.7	-33%
Macedonia, Former Yugoslav Republic	0.2	0.1	-16%
Turkey	12.8	12.7	-1%
Croatia	0.4	0.3	-14%
Italy	0.4	0.3	-14%
Czech Republic	28.2	29.3	4%
Austria	0.0	0.0	-100%
Germany	27.0	19.4	-28%
Poland	0.6	0.4	-29%
Slovak Republic	0.5	9.4	1635%
Denmark	2.2	2.1	-6%
Germany	0.0	0.7	2625%
Netherlands	1.1	0.5	-56%
Sweden	1.1	0.9	-18%
Estonia	0.0	0.0	-
Latvia	0.0	0.0	-
France	5.0	7.3	45%
Spain	3.4	4.2	24%
Switzerland	1.6	3.1	86%
Georgia	4.2	6.1	43%
Turkey	4.2	6.1	43%
Germany	79.6	83.3	5%
Austria	7.6	10.7	41%
Belgium	5.7	1.9	-67%

Czech Republic	29.5	36.0	22%
Denmark	1.0	0.2	-84%
France	10.6	6.7	-37%
Luxembourg	0.5	0.5	1%
Netherlands	14.6	14.5	-1%
Poland	1.2	1.3	6%
Switzerland	8.9	11.5	30%
Hungary	3.4	2.3	-32%
Austria	0.0	0.0	-
Croatia	0.2	0.1	-63%
Romania	0.1	0.1	-51%
Serbia	1.9	1.6	-18%
Ukraine	1.1	0.6	-49%
Iran, Islamic Republic	8.7	8.9	2%
Turkey	8.7	8.9	2%
Italy	0.2	0.2	5%
Austria	0.0	0.1	92%
Slovenia	0.1	0.1	-16%
Switzerland	0.1	0.1	-17%
Latvia	0.8	1.0	22%
Estonia	0.4	0.4	0%
Lithuania	0.0	0.0	-97%
Russia	0.4	0.6	44%
Libya	5.7	6.5	14%
Italy	5.7	6.5	14%
Liquefied Natural Gas	45.8	42.9	-6%
Belgium	1.5	1.2	-19%
France	7.4	6.0	-19%
Greece	0.6	0.6	-4%
Italy	5.7	4.6	-19%
Lithuania	0.0	0.0	-
Netherlands	0.8	0.5	-38%
Portugal	1.7	1.1	-34%
Spain	12.7	10.0	-22%
Turkey	6.1	7.6	25%
United Kingdom	9.3	11.3	22%
Lithuania	2.1	2.0	-4%
Belarus	0.0	0.0	-
Latvia	0.0	0.0	-97%
Russia	2.1	2.0	-4%
Morocco	9.7	9.5	-2%
Spain	9.7	9.5	-2%
Netherlands	78.8	70.2	-11%
Belgium	23.1	21.3	-8%
Germany	46.0	38.7	-16%
Norway	0.6	1.8	228%
United Kingdom	9.1	8.4	-8%
Norway	105.8	109.6	4%
Belgium	14.1	14.7	4%
Denmark	0.4	0.5	28%
France	15.5	15.5	0%
Germany	27.8	31.7	14%
Liquefied Natural Gas	4.3	5.2	22%
Netherlands	15.8	17.5	11%
United Kingdom	27.9	24.5	-12%

Poland	30.3	30.0	-1%
Czech Republic	0.0	0.0	-
Germany	29.3	29.1	-1%
Ukraine	1.0	0.9	-11%
Portugal	0.0	0.0	-100%
Spain	0.0	0.0	-100%
Romania	18.2	17.2	-5%
Bulgaria	18.2	17.2	-5%
Hungary	0.0	0.0	-
Russia	43.2	53.5	24%
Estonia	0.3	0.1	-55%
Finland	3.5	3.1	-12%
Germany	23.5	33.9	44%
Latvia	2.6	2.2	-15%
Turkey	13.4	14.2	6%
Slovak Republic	48.4	36.7	-24%
Austria	41.3	33.7	-18%
Czech Republic	7.1	0.5	-93%
Ukraine	0.0	2.6	-
Slovenia	1.1	1.0	-5%
Croatia	1.1	1.0	-5%
Italy	0.0	0.0	-100%
Spain	2.4	2.8	13%
France	0.0	0.0	-
Portugal	2.4	2.8	13%
Switzerland	7.6	11.8	56%
France	0.5	0.4	-13%
Italy	7.0	11.3	61%
Tunisia	12.5	6.8	-46%
Italy	12.5	6.8	-46%
Turkey	0.7	0.6	-8%
Greece	0.7	0.6	-8%
Ukraine	82.3	57.3	-30%
Hungary	6.3	6.4	1%
Poland	3.8	3.4	-11%
Romania	19.6	16.6	-15%
Slovak Republic	52.6	30.8	-41%
United Kingdom	9.2	10.9	18%
Belgium	2.5	4.4	77%
Ireland	4.4	4.3	-3%
Netherlands	2.3	2.2	-4%
Norway	0.0	0.0	-57%

Figure 120, Page 254: Gas flows across a selection of relevant routes in Central Europe – 2010 to 2014 (bcm/month)

Source: IEA (2015) and ACER calculations.

	Mallnow PL>DE	Nord Stream RU>DE	Velke Kapusany UA>SK	Lanzhot CZ > SK
Jan-10	2.3		6.6	0.2
Feb-10	2.3		5.7	0.1
Mar-10	2.2		5.8	0.1
Apr-10	2.3		5.6	0.1
May-10	2.2		5.6	0.2
Jun-10	1.6		4.8	0.4
Jul-10	1.6		4.7	0.5
Aug-10	1.6		4	0.5
Sep-10	1.8		5.1	0.4
Oct-10	2.1		5.9	0.4
Nov-10	2		5.9	0.5
Dec-10	2.2		6.8	0.3
Jan-11	2.4		6.9	0.2
Feb-11	1.9		6	0.2
Mar-11	2.4		6.6	0.2
Apr-11	2.4		7.2	0.3
May-11	2.2		7.1	0.3
Jun-11	1.8		5	0.3
Jul-11	2		5.3	0.3
Aug-11	1.5		4.1	0.3
Sep-11	1.8		4	0.2
Oct-11	2.2	0	4.7	0.2
Nov-11	1.9	0.3	6.2	0.1
Dec-11	1.8	0.4	5.7	0.1
Jan-12	1.5	0.8	5.6	0
Feb-12	2	0.8	4.8	0
Mar-12	2.1	0.9	3.4	0
Apr-12	2.6	0.5	5	0
May-12	2.2	1.1	3.8	0
Jun-12	1.7	1.1	2.9	0
Jul-12	2	0.9	3.8	0
Aug-12	1.7	1	3.6	0
Sep-12	1.9	0.9	4.4	0
Oct-12	2.2	1	4.4	0
Nov-12	2.5	0.9	3.2	0.2
Dec-12	2.5	1.4	5.1	0
Jan-13	2.6	1.5	3.4	0.2
Feb-13	2.4	1.5	3.3	0
Mar-13	2.5	2.1	3.8	0.1
Apr-13	2.4	2	3.5	0.1
May-13	2.6	2	3.7	0.1
Jun-13	2.4	1.7	4.7	0
Jul-13	2.6	1.6	5.1	0
Aug-13	2.1	2.1	5	0

Sep-13	2.2	1.7	5.3	0
Oct-13	2.4	2	4.9	0
Nov-13	2.5	2.8	4.3	0.1
Dec-13	2.7	2.6	5.4	0
Jan-14	2.6	3	4.3	0
Feb-14	2.4	2.8	2.7	0.5
Mar-14	2.7	2.8	2.9	1
Apr-14	2.5	2.9	3	0.8
May-14	2.5	3.1	3.3	0.7
Jun-14	2.5	2.4	3.7	0.2
Jul-14	2.4	2.5	2.7	0.8
Aug-14	2.1	2.8	2.3	0.6
Sep-14	2.3	3	1.6	1
Oct-14	2.4	2.9	1.5	1.3
Nov-14	2.3	2.8	1.4	1.4
Dec-14	2.4	2.9	1.5	1.1

Figure 121, Page 255: Reverse flow registries in a sample of NWE-CEE cross-border interconnections
Source: ENTSOG TP, Eustream, Net4Gas and ACER calculations.

	2014 Direct Nominations %	2014 Total technical capacity	2014 Reverse Nominations %	2014 Total technical capacity	2013 direct
Mallnow	32.24	0.66	-5.50	0.00	42%
Baumgarten	31.50	21.00	-1.12	-6.88	62%
Waidhaus	19.20	15.71	-0.35	-2.85	60%
Lanzhot	4.07	14.43	-15.31	-8.99	10%

Figure 122, Page 257: Interconnection capacity developments on selected CEE and SEE borders – 2010 to 2015 (GWh/day)

Source: ENTSOG capacity maps and TSOs.

		2010	2011	2012	2013	2014	2015
DE	> CZ	584	839	732	1,292	1,349	1,442
DE	> PL	34	34	48	49	118	214
CZ	> SK	119	209	280	406	696	696
AT	> SK	0	187	187	248	248	248
SK	> UA	0	0	0	0	75	265
DE	> AT	87	109	243	313.5	313.5	313
HU	> HR	0	76	76	76	76	76
SK	> HU	0	0	0	0	0	127
AT	> SI	75	75	93	103	103	112
SI	> IT	0	0	0	0	0	21
CZ	> DE	1,410	1,410	1,410	1,276	1,122	1,107
SK	> CZ	1,272	1,272	1,257	780	530	520
SK	> AT	1,484	1,648	1,579	1,560	1,612	1,539
PL	> DE	845	931	931	930	930	930

Figure 124, Page 261: Gas flow developments in Waidhaus (CZ<->DE) and Baumgarten (SK<->AT) in 2014 (GWh/day)
Source: ENTSOG TP.

Date	SK>AT						AT>SK			
	Technical capacity	Booked capacity	Physical flows	Aux inferior	Nomination - flowx	Nominati ons	Technical capacity	Booked capacity	Nominations	nomination shadow
1-Jan-14	1612.000	1496.243	1312.274	1312.274	-0.118	1312.156	-247.520	0.000	0.000	0.000
2-Jan-14	1612.000	1496.243	1340.176	1340.176	-0.235	1339.942	-247.520	0.000	0.000	0.000
3-Jan-14	1612.000	1496.243	1329.721	1329.721	-0.881	1328.840	-247.520	0.000	0.000	0.000
4-Jan-14	1612.000	1496.243	1331.340	1331.340	0.514	1331.854	-247.520	0.000	0.000	0.000
5-Jan-14	1612.000	1496.243	1341.652	1341.652	0.067	1341.719	-247.520	0.000	0.000	0.000
6-Jan-14	1612.000	1496.243	1352.274	1352.274	-0.282	1351.992	-247.520	0.000	0.000	0.000
7-Jan-14	1612.000	1496.243	1328.592	1328.592	1.032	1329.624	-247.520	0.000	0.000	0.000
8-Jan-14	1612.000	1496.243	1360.160	1360.160	-0.641	1359.519	-247.520	0.000	0.000	0.000
9-Jan-14	1612.000	1496.243	1371.179	1371.179	0.088	1371.268	-247.520	0.000	0.000	0.000
10-Jan-14	1612.000	1496.243	1393.437	1393.437	-0.495	1392.943	-247.520	0.000	0.000	0.000
11-Jan-14	1612.000	1496.243	1380.458	1380.458	0.244	1380.702	-247.520	0.000	0.000	0.000
12-Jan-14	1612.000	1496.243	1380.336	1380.336	-0.240	1380.096	-247.520	0.000	0.000	0.000
13-Jan-14	1612.000	1496.243	1369.762	1369.762	0.420	1370.181	-247.520	0.000	0.000	0.000
14-Jan-14	1612.000	1496.243	1373.419	1373.419	-0.460	1372.960	-247.520	0.000	0.000	0.000
15-Jan-14	1612.000	1496.243	1376.248	1376.248	-0.066	1376.182	-247.520	0.000	0.000	0.000
16-Jan-14	1612.000	1496.243	1371.709	1371.709	1.114	1372.823	-247.520	0.000	0.000	0.000
17-Jan-14	1612.000	1496.243	1393.934	1393.934	0.185	1394.120	-247.520	0.000	0.000	0.000
18-Jan-14	1612.000	1496.243	1259.230	1259.230	-1.056	1258.173	-247.520	0.000	0.000	0.000
19-Jan-14	1612.000	1496.243	1252.206	1252.206	0.576	1252.782	-247.520	0.000	0.000	0.000
20-Jan-14	1612.000	1496.243	1222.035	1222.035	1.146	1223.181	-247.520	0.000	0.000	0.000
21-Jan-14	1612.000	1496.243	1230.965	1230.965	-0.539	1230.426	-247.520	0.000	0.000	0.000
22-Jan-14	1612.000	1496.243	1229.052	1229.052	0.086	1229.138	-247.520	0.000	0.000	0.000
23-Jan-14	1612.000	1496.243	1206.562	1206.562	-0.390	1206.173	-247.520	0.000	0.000	0.000
24-Jan-14	1612.000	1496.243	1202.940	1202.940	-0.064	1202.876	-247.520	0.000	0.000	0.000
25-Jan-14	1612.000	1496.243	1206.281	1206.281	0.682	1206.964	-247.520	0.000	0.000	0.000
26-Jan-14	1612.000	1496.243	1206.847	1206.847	-1.125	1205.722	-247.520	0.000	0.000	0.000
27-Jan-14	1612.000	1496.243	1204.104	1204.104	0.137	1204.241	-247.520	0.000	0.000	0.000
28-Jan-14	1612.000	1496.243	1206.969	1206.969	0.665	1207.634	-247.520	0.000	0.000	0.000
29-Jan-14	1612.000	1496.243	1225.802	1225.802	-0.006	1225.796	-247.520	0.000	0.000	0.000

30-Jan-14	1612.000	1496.243	1213.237	1213.237	10.620	1223.856	-247.520	0.000	0.000	0.000
31-Jan-14	1612.000	1496.243	1224.323	1224.323	-10.449	1213.874	-247.520	0.000	0.000	0.000
1-Feb-14	1612.000	1496.243	1168.262	1168.262	-4.234	1164.028	-247.520	0.000	0.000	0.000
2-Feb-14	1612.000	1496.243	1168.387	1168.387	-0.038	1168.349	-247.520	0.000	0.000	0.000
3-Feb-14	1612.000	1496.243	1179.413	1179.413	-0.606	1178.807	-247.520	0.000	0.000	0.000
4-Feb-14	1612.000	1496.243	1173.363	1173.363	0.576	1173.940	-247.520	0.000	0.000	0.000
5-Feb-14	1612.000	1496.243	1168.174	1168.174	0.510	1168.683	-247.520	0.000	0.000	0.000
6-Feb-14	1612.000	1496.243	1168.440	1168.440	-0.428	1168.013	-247.520	0.000	0.000	0.000
7-Feb-14	1612.000	1496.243	1140.002	1140.002	-0.155	1139.847	-247.520	0.000	0.000	0.000
8-Feb-14	1612.000	1496.243	1140.619	1140.619	0.045	1140.664	-247.520	0.000	0.000	0.000
9-Feb-14	1612.000	1496.243	1135.609	1135.609	0.706	1136.316	-247.520	0.000	0.000	0.000
10-Feb-14	1612.000	1496.243	1095.738	1095.738	-1.060	1094.678	-247.520	0.000	0.000	0.000
11-Feb-14	1612.000	1496.243	1117.183	1117.183	0.458	1117.640	-247.520	0.000	0.000	0.000
12-Feb-14	1612.000	1496.243	1073.020	1073.020	-0.059	1072.960	-247.520	0.000	0.000	0.000
13-Feb-14	1612.000	1496.243	1068.297	1068.297	-0.392	1067.905	-247.520	0.000	0.000	0.000
14-Feb-14	1612.000	1496.243	1057.511	1057.511	0.301	1057.811	-247.520	0.000	0.000	0.000
15-Feb-14	1612.000	1496.243	1053.715	1053.715	0.312	1054.028	-247.520	0.000	0.000	0.000
16-Feb-14	1612.000	1496.243	1051.871	1051.871	-0.610	1051.261	-247.520	0.000	0.000	0.000
17-Feb-14	1612.000	1496.243	1051.305	1051.305	0.058	1051.363	-247.520	0.000	0.000	0.000
18-Feb-14	1612.000	1496.243	1034.768	1034.768	5.194	1039.962	-247.520	0.000	0.000	0.000
19-Feb-14	1612.000	1496.243	1049.224	1049.224	-4.363	1044.861	-247.520	0.000	0.000	0.000
20-Feb-14	1612.000	1496.243	1052.758	1052.758	-0.500	1052.257	-247.520	0.000	0.000	0.000
21-Feb-14	1612.000	1496.243	1047.067	1047.067	-0.052	1047.015	-247.520	0.000	0.000	0.000
22-Feb-14	1612.000	1496.243	1032.096	1032.096	0.209	1032.305	-247.520	0.000	0.000	0.000
23-Feb-14	1612.000	1496.243	1032.278	1032.278	-0.621	1031.657	-247.520	0.000	0.000	0.000
24-Feb-14	1612.000	1496.243	1023.170	1023.170	-0.038	1023.131	-247.520	0.000	0.000	0.000
25-Feb-14	1612.000	1496.243	1020.227	1020.227	-0.248	1019.979	-247.520	0.000	0.000	0.000
26-Feb-14	1612.000	1496.243	1026.562	1026.562	0.928	1027.491	-247.520	0.000	0.000	0.000
27-Feb-14	1612.000	1496.243	1035.188	1035.188	0.059	1035.247	-247.520	0.000	0.000	0.000
28-Feb-14	1612.000	1496.243	1036.859	1036.859	-0.421	1036.438	-247.520	0.000	0.000	0.000
1-Mar-14	1612.000	1496.243	1166.114	1166.114	-0.417	1165.697	-247.520	0.000	0.000	0.000
2-Mar-14	1612.000	1496.243	1168.856	1168.856	0.604	1169.460	-247.520	0.000	0.000	0.000
3-Mar-14	1612.000	1496.243	1175.630	1175.630	-0.300	1175.329	-247.520	0.000	0.000	0.000
4-Mar-14	1612.000	1496.243	1157.480	1157.480	0.118	1157.598	-247.520	0.000	0.000	0.000
5-Mar-14	1612.000	1496.243	1150.100	1150.100	-0.470	1149.630	-247.520	0.000	0.000	0.000
6-Mar-14	1612.000	1496.243	1099.332	1099.332	0.685	1100.018	-247.520	0.000	0.000	0.000
7-Mar-14	1612.000	1496.243	1079.985	1079.985	-1.061	1078.924	-247.520	0.000	0.000	0.000
8-Mar-14	1612.000	1496.243	1258.630	1258.630	1.073	1259.703	-247.520	0.000	0.000	0.000
9-Mar-14	1612.000	1496.243	1258.119	1258.119	1.166	1259.285	-247.520	0.000	0.000	0.000
10-Mar-14	1612.000	1496.243	1262.226	1262.226	0.390	1262.616	-247.520	0.000	0.000	0.000
11-Mar-14	1612.000	1496.243	1284.188	1284.188	-5.551	1278.637	-247.520	0.000	0.000	0.000

12-Mar-14	1612.000	1496.243	1292.714	1292.714	2.158	1294.872	-247.520	0.000	0.000	0.000
13-Mar-14	1612.000	1496.243	1299.738	1299.738	-2.124	1297.614	-247.520	0.000	0.000	0.000
14-Mar-14	1612.000	1496.243	1292.795	1292.795	-0.282	1292.513	-247.520	0.000	0.000	0.000
15-Mar-14	1612.000	1496.243	1264.562	1264.562	1.214	1265.776	-247.520	0.000	0.000	0.000
16-Mar-14	1612.000	1496.243	1268.064	1268.064	1.083	1269.147	-247.520	0.000	0.000	0.000
17-Mar-14	1612.000	1496.243	1272.848	1272.848	1.073	1273.920	-247.520	0.000	0.000	0.000
18-Mar-14	1612.000	1496.243	1265.380	1265.380	-3.579	1261.801	-247.520	0.000	0.000	0.000
19-Mar-14	1612.000	1496.243	1274.857	1274.857	0.046	1274.903	-247.520	0.000	0.000	0.000
20-Mar-14	1612.000	1496.243	1255.404	1255.404	-0.313	1255.091	-247.520	0.000	0.000	0.000
21-Mar-14	1612.000	1496.243	1228.362	1228.362	2.434	1230.797	-247.520	0.000	0.000	0.000
22-Mar-14	1612.000	1496.243	1210.687	1210.687	-1.835	1208.852	-247.520	0.000	0.000	0.000
23-Mar-14	1612.000	1496.243	1206.396	1206.396	-0.601	1205.796	-247.520	0.000	0.000	0.000
24-Mar-14	1612.000	1496.243	1191.898	1191.898	1.768	1193.666	-247.520	0.000	0.000	0.000
25-Mar-14	1612.000	1496.243	1186.340	1186.340	-3.097	1183.243	-247.520	0.000	0.000	0.000
26-Mar-14	1612.000	1496.243	1179.268	1179.268	1.988	1181.256	-247.520	0.000	0.000	0.000
27-Mar-14	1612.000	1496.267	1183.696	1183.696	-2.354	1181.342	-247.520	0.000	0.000	0.000
28-Mar-14	1612.000	1496.243	1186.547	1186.547	0.670	1187.217	-247.520	0.000	0.000	0.000
29-Mar-14	1612.000	1496.243	1168.411	1168.411	-49.373	1119.038	-247.520	0.000	0.000	0.000
30-Mar-14	1612.000	1496.243	1159.334	1159.334	-0.487	1158.847	-247.520	0.000	0.000	0.000
31-Mar-14	1612.000	1496.243	1137.819	1137.819	48.307	1186.126	-247.520	0.000	0.000	0.000
1-Apr-14	1612.000	1506.887	1342.570	1342.570	-1.290	1341.280	-247.520	0.000	0.000	0.000
2-Apr-14	1612.000	1496.327	1292.772	1292.772	1.775	1294.547	-247.520	0.000	0.000	0.000
3-Apr-14	1612.000	1498.727	1316.026	1316.026	1.082	1317.108	-247.520	0.000	0.000	0.000
4-Apr-14	1612.000	1496.327	1306.372	1306.372	0.364	1306.736	-247.520	0.000	0.000	0.000
5-Apr-14	1612.000	1495.127	1264.843	1264.843	1.815	1266.657	-247.520	0.000	0.000	0.000
6-Apr-14	1612.000	1495.127	1264.004	1264.004	1.468	1265.472	-247.520	0.000	0.000	0.000
7-Apr-14	1612.000	1495.127	1254.395	1254.395	-0.856	1253.540	-247.520	0.000	0.000	0.000
8-Apr-14	1612.000	1491.527	1264.223	1264.223	-1.675	1262.548	-247.520	0.000	0.000	0.000
9-Apr-14	1612.000	1491.527	1262.277	1262.277	-1.361	1260.915	-247.520	0.000	0.000	0.000
10-Apr-14	1612.000	1491.527	1263.258	1263.258	-0.061	1263.197	-247.520	0.000	0.000	0.000
11-Apr-14	1612.000	1491.527	1261.118	1261.118	0.657	1261.775	-247.520	0.000	0.000	0.000
12-Apr-14	1612.000	1491.527	1244.010	1244.010	1.334	1245.344	-247.520	0.000	0.000	0.000
13-Apr-14	1612.000	1491.527	1244.996	1244.996	0.423	1245.419	-247.520	0.000	0.000	0.000
14-Apr-14	1612.000	1491.527	1251.407	1251.407	2.490	1253.897	-247.520	0.000	0.000	0.000
15-Apr-14	1612.000	1491.527	1293.835	1293.835	-1.871	1291.964	-247.520	0.000	0.000	0.000
16-Apr-14	1612.000	1491.527	1286.091	1286.091	-2.436	1283.655	-247.520	0.000	0.000	0.000
17-Apr-14	1612.000	1491.527	1254.359	1254.359	-1.050	1253.309	-247.520	0.000	0.000	0.000
18-Apr-14	1612.000	1491.527	1257.853	1257.853	0.193	1258.046	-247.520	0.000	0.000	0.000
19-Apr-14	1612.000	1491.527	1216.082	1216.082	0.796	1216.878	-247.520	0.000	0.000	0.000
20-Apr-14	1612.000	1491.527	1216.932	1216.932	0.806	1217.738	-247.520	0.000	0.000	0.000
21-Apr-14	1612.000	1491.527	1231.449	1231.449	0.468	1231.917	-247.520	0.000	0.000	0.000

22-Apr-14	1612.000	1491.527	1250.466	1250.466	0.391	1250.857	-247.520	0.000	0.000	0.000
23-Apr-14	1612.000	1491.527	1253.528	1253.528	-8.537	1244.991	-247.520	0.000	0.000	0.000
24-Apr-14	1612.000	1491.527	1250.714	1250.714	-0.579	1250.135	-247.520	0.000	0.000	0.000
25-Apr-14	1612.000	1491.527	1239.818	1239.818	0.632	1240.450	-247.520	0.000	0.000	0.000
26-Apr-14	1612.000	1491.527	1235.143	1235.143	1.085	1236.227	-247.520	0.000	0.000	0.000
27-Apr-14	1612.000	1491.527	1235.560	1235.560	0.406	1235.966	-247.520	0.000	0.000	0.000
28-Apr-14	1612.000	1491.527	1243.461	1243.461	-0.045	1243.416	-247.520	0.000	0.000	0.000
29-Apr-14	1612.000	1491.527	1249.925	1249.925	-2.810	1247.115	-247.520	0.000	0.000	0.000
30-Apr-14	1612.000	1491.527	1247.626	1247.626	0.711	1248.336	-247.520	0.000	0.000	0.000
1-May-14	1612.000	1482.083	1193.647	1193.647	0.109	1193.757	-247.520	0.000	0.000	0.000
2-May-14	1612.000	1482.083	1223.877	1223.877	-0.543	1223.334	-247.520	0.000	0.000	0.000
3-May-14	1612.000	1482.083	1196.115	1196.115	0.424	1196.539	-247.520	0.000	0.000	0.000
4-May-14	1612.000	1482.083	1192.090	1192.090	0.307	1192.398	-247.520	0.000	0.000	0.000
5-May-14	1612.000	1482.083	1135.454	1135.454	-1.355	1134.098	-247.520	0.000	0.000	0.000
6-May-14	1612.000	1482.083	1113.977	1113.977	0.258	1114.235	-247.520	0.000	0.000	0.000
7-May-14	1612.000	1482.083	1098.885	1098.885	0.899	1099.783	-247.520	0.000	0.000	0.000
8-May-14	1612.000	1482.083	1156.344	1156.344	0.182	1156.526	-247.520	0.000	0.000	0.000
9-May-14	1612.000	1482.083	1241.791	1241.791	-0.050	1241.742	-247.520	0.000	0.000	0.000
10-May-14	1612.000	1482.083	1198.503	1198.503	0.046	1198.549	-247.520	0.000	0.000	0.000
11-May-14	1612.000	1482.083	1207.215	1207.215	-0.123	1207.092	-247.520	0.000	0.000	0.000
12-May-14	1612.000	1482.083	1242.597	1242.597	0.718	1243.315	-247.520	0.000	0.000	0.000
13-May-14	1612.000	1482.083	1213.949	1213.949	-1.215	1212.735	-247.520	0.000	0.000	0.000
14-May-14	1612.000	1482.083	1220.842	1220.842	0.659	1221.501	-247.520	0.000	0.000	0.000
15-May-14	1612.000	1482.083	1215.058	1215.058	-0.139	1214.919	-247.520	0.000	0.000	0.000
16-May-14	1612.000	1482.083	1224.619	1224.619	-0.116	1224.504	-247.520	0.000	0.000	0.000
17-May-14	1612.000	1482.083	1199.962	1199.962	0.258	1200.220	-247.520	0.000	0.000	0.000
18-May-14	1612.000	1482.083	1207.955	1207.955	-0.040	1207.915	-247.520	0.000	0.000	0.000
19-May-14	1612.000	1482.083	1250.965	1250.965	-2.580	1248.385	-247.520	0.000	0.000	0.000
20-May-14	1612.000	1482.083	1242.604	1242.604	1.760	1244.363	-247.520	0.000	0.000	0.000
21-May-14	1612.000	1482.323	1247.734	1247.734	-0.880	1246.853	-247.520	0.000	0.000	0.000
22-May-14	1612.000	1482.083	1247.290	1247.290	-0.423	1246.866	-247.520	0.000	0.000	0.000
23-May-14	1612.000	1482.083	1263.838	1263.838	-0.469	1263.368	-247.520	0.000	0.000	0.000
24-May-14	1612.000	1482.083	1229.942	1229.942	0.103	1230.045	-247.520	0.000	0.000	0.000
25-May-14	1612.000	1482.083	1220.415	1220.415	0.239	1220.654	-247.520	0.000	0.000	0.000
26-May-14	1612.000	1482.083	1215.184	1215.184	0.059	1215.243	-247.520	0.000	0.000	0.000
27-May-14	1612.000	1482.083	1212.897	1212.897	0.290	1213.187	-247.520	0.000	0.000	0.000
28-May-14	1612.000	1482.083	1221.011	1221.011	-0.509	1220.502	-247.520	0.000	0.000	0.000
29-May-14	1612.000	1482.083	1204.251	1204.251	-0.193	1204.059	-247.520	0.000	0.000	0.000
30-May-14	1612.000	1482.083	1181.192	1181.192	-1.878	1179.313	-247.520	0.000	0.000	0.000
31-May-14	1612.000	1482.083	1175.015	1175.015	-5.497	1169.518	-247.520	0.000	0.000	0.000
1-Jun-14	1612.000	1482.083	1066.205	1066.205	8.376	1074.581	-247.520	0.000	0.000	0.000

2-Jun-14	1612.000	1482.083	978.695	978.695	-2.649	976.046	-247.520	0.000	0.000	0.000
3-Jun-14	1612.000	1482.083	1096.632	1096.632	4.624	1101.256	-247.520	0.000	0.000	0.000
4-Jun-14	1612.000	1482.083	1093.801	1093.801	0.219	1094.020	-247.520	0.000	0.000	0.000
5-Jun-14	1612.000	1482.083	1092.608	1092.608	1.131	1093.740	-247.520	0.000	0.000	0.000
6-Jun-14	1612.000	1482.083	1106.253	1106.253	4.258	1110.511	-247.520	0.000	0.000	0.000
7-Jun-14	1612.000	1482.083	1166.416	1166.416	0.686	1167.102	-247.520	0.000	0.000	0.000
8-Jun-14	1612.000	1482.083	1161.000	1161.000	8.409	1169.409	-247.520	0.000	0.000	0.000
9-Jun-14	1612.000	1482.083	1176.234	1176.234	-14.808	1161.426	-247.520	0.000	0.000	0.000
10-Jun-14	1612.000	1482.083	1155.921	1155.921	8.100	1164.021	-247.520	0.000	0.000	0.000
11-Jun-14	1612.000	1482.083	1170.802	1170.802	0.209	1171.011	-247.520	0.000	0.000	0.000
12-Jun-14	1612.000	1482.083	1180.252	1180.252	-1.847	1178.405	-247.520	0.000	0.000	0.000
13-Jun-14	1612.000	1482.083	1259.216	1259.216	-5.551	1253.665	-247.520	0.000	0.000	0.000
14-Jun-14	1612.000	1482.083	1105.568	1105.568	12.095	1117.663	-247.520	0.000	0.000	0.000
15-Jun-14	1612.000	1482.083	1248.525	1248.525	-5.147	1243.377	-247.520	0.000	0.000	0.000
16-Jun-14	1612.000	1482.083	1128.637	1128.637	-8.152	1120.485	-247.520	0.000	0.000	0.000
17-Jun-14	1612.000	1482.083	1123.596	1123.596	1.793	1125.389	-247.520	0.000	0.000	0.000
18-Jun-14	1612.000	1482.083	1151.296	1151.296	2.376	1153.671	-247.520	0.000	0.000	0.000
19-Jun-14	1612.000	1482.083	1187.537	1187.537	-7.756	1179.781	-247.520	0.000	0.000	0.000
20-Jun-14	1612.000	1482.083	1104.650	1104.650	-6.914	1097.736	-247.520	0.000	0.000	0.000
21-Jun-14	1612.000	1482.083	1106.254	1106.254	12.117	1118.371	-247.520	0.000	0.000	0.000
22-Jun-14	1612.000	1482.083	1104.980	1104.980	0.994	1105.975	-247.520	0.000	0.000	0.000
23-Jun-14	1612.000	1482.083	1191.790	1191.790	-8.728	1183.062	-247.520	0.000	0.000	0.000
24-Jun-14	1612.000	1482.083	1050.095	1050.095	2.613	1052.708	-247.520	0.000	0.000	0.000
25-Jun-14	1612.000	1482.083	1137.544	1137.544	6.501	1144.045	-247.520	0.000	0.000	0.000
26-Jun-14	1612.000	1482.083	1246.940	1246.940	10.179	1257.119	-247.520	0.000	0.000	0.000
27-Jun-14	1612.000	1482.083	1221.262	1221.262	-5.424	1215.838	-247.520	0.000	0.000	0.000
28-Jun-14	1612.000	1482.083	1097.790	1097.790	-7.106	1090.684	-247.520	0.000	0.000	0.000
29-Jun-14	1612.000	1482.083	1193.376	1193.376	6.734	1200.110	-247.520	0.000	0.000	0.000
30-Jun-14	1612.000	1482.083	1198.529	1198.529	-2.598	1195.930	-247.520	0.000	0.000	0.000
1-Jul-14	1612.000	1482.627	1134.258	1134.258	-15.597	1118.661	-247.520	0.000	0.000	0.000
2-Jul-14	1612.000	1482.627	1131.254	1131.254	-39.948	1091.306	-247.520	0.000	0.000	0.000
3-Jul-14	1612.000	1482.627	966.301	966.301	39.635	1005.936	-247.520	0.000	0.000	0.000
4-Jul-14	1612.000	1482.627	1145.729	1145.729	9.977	1155.706	-247.520	0.000	0.000	0.000
5-Jul-14	1612.000	1482.627	1066.238	1066.238	-0.158	1066.081	-247.520	0.000	0.000	0.000
6-Jul-14	1612.000	1482.627	1096.817	1096.817	3.799	1100.616	-247.520	0.000	0.000	0.000
7-Jul-14	1612.000	1482.627	1061.495	1061.495	-4.158	1057.336	-247.520	0.000	0.000	0.000
8-Jul-14	1612.000	1482.627	1010.347	1010.347	-9.613	1000.733	-247.520	0.000	0.000	0.000
9-Jul-14	1612.000	1482.627	986.330	986.330	3.323	989.653	-247.520	0.000	0.000	0.000
10-Jul-14	1612.000	1482.627	1058.879	1058.879	2.339	1061.217	-247.520	0.000	0.000	0.000
11-Jul-14	1612.000	1482.627	1104.330	1104.330	-1.690	1102.640	-247.520	0.000	0.000	0.000
12-Jul-14	1612.000	1482.627	1082.563	1082.563	-1.041	1081.522	-247.520	0.000	0.000	0.000

13-Jul-14	1612.000	1482.627	1048.496	1048.496	-5.568	1042.929	-247.520	0.000	0.000	0.000
14-Jul-14	1612.000	1482.627	964.505	964.505	-0.928	963.577	-247.520	0.000	0.000	0.000
15-Jul-14	1612.000	1482.627	1047.351	1047.351	3.216	1050.567	-247.520	0.000	0.000	0.000
16-Jul-14	1612.000	1482.627	1042.041	1042.041	-7.189	1034.852	-247.520	0.000	0.000	0.000
17-Jul-14	1612.000	1482.627	962.508	962.508	-4.022	958.486	-247.520	0.000	0.000	0.000
18-Jul-14	1612.000	1482.627	924.874	924.874	-3.165	921.709	-247.520	0.000	0.000	0.000
19-Jul-14	1612.000	1482.627	958.134	958.134	4.804	962.938	-247.520	0.000	0.000	0.000
20-Jul-14	1612.000	1482.627	958.342	958.342	4.995	963.337	-247.520	0.000	0.000	0.000
21-Jul-14	1612.000	1482.627	958.522	958.522	-5.725	952.797	-247.520	0.000	0.000	0.000
22-Jul-14	1612.000	1482.627	999.159	999.159	2.837	1001.996	-247.520	0.000	0.000	0.000
23-Jul-14	1612.000	1482.627	984.478	984.478	-2.133	982.345	-247.520	0.000	0.000	0.000
24-Jul-14	1612.000	1482.627	1001.450	1001.450	-0.794	1000.656	-247.520	0.000	0.000	0.000
25-Jul-14	1612.000	1482.627	980.829	980.829	3.819	984.648	-247.520	0.000	0.000	0.000
26-Jul-14	1612.000	1482.627	1028.152	1028.152	0.948	1029.100	-247.520	0.000	0.000	0.000
27-Jul-14	1612.000	1482.627	1052.324	1052.324	-4.575	1047.749	-247.520	0.000	0.000	0.000
28-Jul-14	1612.000	1482.627	997.883	997.883	9.904	1007.787	-247.520	0.000	-0.060	-0.060
29-Jul-14	1612.000	1482.627	1053.461	1053.461	-4.686	1048.774	-247.520	0.000	-0.660	-0.660
30-Jul-14	1612.000	1482.627	1013.263	1013.263	67.712	1080.976	-247.520	0.000	0.000	0.000
31-Jul-14	1612.000	1482.627	1155.083	1155.083	-87.722	1067.362	-247.520	0.000	0.000	0.000
1-Aug-14	1612.000	1482.627	958.897	958.897	2.306	961.203	-247.520	0.000	0.000	0.000
2-Aug-14	1612.000	1482.627	902.333	902.333	-0.577	901.756	-247.520	0.000	0.000	0.000
3-Aug-14	1612.000	1482.627	872.365	872.365	-0.782	871.583	-247.520	0.000	0.000	0.000
4-Aug-14	1612.000	1482.627	790.247	790.247	0.563	790.810	-247.520	0.000	0.000	0.000
5-Aug-14	1612.000	1482.627	750.636	750.636	-2.245	748.391	-247.520	0.000	0.000	0.000
6-Aug-14	1612.000	1482.627	772.645	772.645	0.145	772.790	-247.520	0.000	0.000	0.000
7-Aug-14	1612.000	1482.627	834.682	834.682	2.200	836.882	-247.520	0.000	0.000	0.000
8-Aug-14	1612.000	1482.627	817.754	817.754	-10.111	807.643	-247.520	0.000	0.000	0.000
9-Aug-14	1612.000	1482.627	925.487	925.487	9.775	935.261	-247.520	0.000	0.000	0.000
10-Aug-14	1612.000	1482.627	884.446	884.446	0.188	884.635	-247.520	0.000	0.000	0.000
11-Aug-14	1612.000	1482.627	1018.041	1018.041	0.038	1018.080	-247.520	0.000	0.000	0.000
12-Aug-14	1612.000	1482.627	1059.036	1059.036	-2.248	1056.788	-247.520	0.000	0.000	0.000
13-Aug-14	1612.000	1482.627	886.177	886.177	2.131	888.307	-247.520	0.000	0.000	0.000
14-Aug-14	1612.000	1482.627	831.761	831.761	-0.187	831.574	-247.520	0.000	0.000	0.000
15-Aug-14	1612.000	1482.627	752.144	752.144	2.322	754.466	-247.520	0.000	0.000	0.000
16-Aug-14	1612.000	1482.627	720.053	720.053	20.839	740.892	-247.520	0.000	-21.055	-21.055
17-Aug-14	1612.000	1482.627	740.078	740.078	21.606	761.684	-247.520	0.000	-21.055	-21.055
18-Aug-14	1612.000	1482.627	877.835	877.835	22.575	900.411	-247.520	0.000	-22.798	-22.798
19-Aug-14	1612.000	1482.627	907.725	907.725	42.801	950.526	-247.520	0.000	-42.704	-42.704
20-Aug-14	1612.000	1482.627	780.201	780.201	51.577	831.778	-247.520	0.000	-50.823	-50.823
21-Aug-14	1612.000	1482.627	791.088	791.088	51.215	842.302	-247.520	0.000	-50.823	-50.823
22-Aug-14	1612.000	1482.627	777.086	777.086	50.399	827.485	-247.520	0.000	-50.823	-50.823

23-Aug-14	1612.000	1482.627	742.849	742.849	50.891	793.740	-247.520	0.000	-50.823	-50.823
24-Aug-14	1612.000	1482.627	748.268	748.268	51.077	799.345	-247.520	0.000	-50.823	-50.823
25-Aug-14	1612.000	1482.627	784.941	784.941	51.316	836.257	-247.520	0.000	-50.983	-50.983
26-Aug-14	1612.000	1482.627	690.650	690.650	50.614	741.264	-247.520	0.000	-51.432	-51.432
27-Aug-14	1612.000	1482.627	595.124	595.124	36.836	631.961	-247.520	0.000	-36.811	-36.811
28-Aug-14	1612.000	1482.627	688.406	688.406	34.989	723.395	-247.520	0.000	-34.996	-34.996
29-Aug-14	1612.000	1482.627	759.019	759.019	39.318	798.337	-247.520	0.000	-39.634	-39.634
30-Aug-14	1612.000	1482.627	707.856	707.856	40.996	748.853	-247.520	0.000	-41.853	-41.853
31-Aug-14	1612.000	1482.627	626.340	626.340	53.591	679.931	-247.520	0.000	-50.365	-50.365
1-Sep-14	1612.000	1483.804	562.847	562.847	168.606	731.453	-247.520	-164.400	-152.400	-152.400
2-Sep-14	1612.000	1484.044	566.714	566.714	160.529	727.244	-247.520	-164.400	-164.400	-164.400
3-Sep-14	1612.000	1482.627	553.596	553.596	162.482	716.078	-247.520	-164.400	-164.400	-164.400
4-Sep-14	1612.000	1482.627	568.257	568.257	165.382	733.639	-247.520	-164.400	-164.400	-164.400
5-Sep-14	1612.000	1482.627	537.312	537.312	164.865	702.177	-247.520	-164.400	-164.400	-164.400
6-Sep-14	1612.000	1482.627	465.775	465.775	166.448	632.223	-247.520	-164.400	-164.400	-164.400
7-Sep-14	1612.000	1482.627	355.033	355.033	165.096	520.129	-247.520	-164.400	-164.400	-164.400
8-Sep-14	1612.000	1482.627	431.031	431.031	160.939	591.970	-247.520	-164.400	-164.400	-164.400
9-Sep-14	1612.000	1482.627	517.575	517.575	155.272	672.847	-247.520	-164.400	-157.200	-157.200
10-Sep-14	1612.000	1482.627	553.943	553.943	159.471	713.414	-247.520	-164.400	-157.800	-157.800
11-Sep-14	1612.000	1482.627	615.120	615.120	152.297	767.418	-247.520	-164.400	-155.600	-155.600
12-Sep-14	1612.000	1482.627	629.089	629.089	139.491	768.580	-247.520	-164.400	-136.922	-136.922
13-Sep-14	1612.000	1482.627	572.411	572.411	119.812	692.223	-247.520	-164.400	-121.200	-121.200
14-Sep-14	1612.000	1482.627	570.172	570.172	121.280	691.452	-247.520	-164.400	-121.600	-121.600
15-Sep-14	1612.000	1482.627	580.725	580.725	127.399	708.123	-247.520	-164.400	-126.400	-126.400
16-Sep-14	1612.000	1482.627	622.267	622.267	129.180	751.448	-247.520	-164.400	-130.600	-130.600
17-Sep-14	1612.000	1482.627	635.203	635.203	129.322	764.525	-247.520	-164.400	-128.614	-128.614
18-Sep-14	1612.000	1482.627	622.554	622.554	133.249	755.803	-247.520	-164.400	-131.510	-131.510
19-Sep-14	1612.000	1482.651	596.858	596.858	130.456	727.314	-247.520	-164.400	-130.770	-130.770
20-Sep-14	1612.000	1482.627	577.347	577.347	127.601	704.948	-247.520	-164.400	-123.840	-123.840
21-Sep-14	1612.000	1482.627	502.176	502.176	124.296	626.472	-247.520	-164.400	-124.660	-124.660
22-Sep-14	1612.000	1482.627	569.769	569.769	129.773	699.542	-247.520	-164.400	-129.260	-129.260
23-Sep-14	1612.000	1482.627	610.011	610.011	119.242	729.254	-247.520	-164.400	-120.800	-120.800
24-Sep-14	1612.000	1482.627	556.383	556.383	136.978	693.362	-247.520	-164.400	-132.659	-132.659
25-Sep-14	1612.000	1482.627	539.760	539.760	124.400	664.160	-247.520	-164.400	-121.620	-121.620
26-Sep-14	1612.000	1482.627	538.384	538.384	147.690	686.074	-247.520	-164.400	-147.325	-147.325
27-Sep-14	1612.000	1482.627	524.521	524.521	148.031	672.552	-247.520	-164.400	-148.860	-148.860
28-Sep-14	1612.000	1482.627	418.550	418.550	149.030	567.580	-247.520	-164.400	-148.860	-148.860
29-Sep-14	1612.000	1482.627	544.453	544.453	150.468	694.921	-247.520	-164.400	-151.360	-151.360
30-Sep-14	1612.000	1482.627	585.664	585.664	152.893	738.557	-247.520	-164.400	-152.771	-152.771
1-Oct-14	1612.000	1466.954	536.302	536.302	40.723	577.025	-247.520	-51.232	-40.945	-40.945
2-Oct-14	1612.000	1466.954	519.388	519.388	51.399	570.788	-247.520	-61.416	-50.280	-50.280

3-Oct-14	1612.000	1466.954	549.580	549.580	50.528	600.108	-247.520	-61.416	-50.280	-50.280
4-Oct-14	1612.000	1466.954	522.778	522.778	49.963	572.741	-247.520	-61.416	-50.280	-50.280
5-Oct-14	1612.000	1466.954	521.401	521.401	49.984	571.385	-247.520	-61.416	-50.280	-50.280
6-Oct-14	1612.000	1466.954	528.663	528.663	63.738	592.402	-247.520	-61.416	-51.638	-51.638
7-Oct-14	1612.000	1466.954	548.530	548.530	73.094	621.624	-247.520	-77.712	-66.576	-66.576
8-Oct-14	1612.000	1466.954	595.289	595.289	58.809	654.098	-247.520	-77.712	-66.576	-66.576
9-Oct-14	1612.000	1467.194	603.075	603.075	66.195	669.270	-247.520	-77.712	-66.576	-66.576
10-Oct-14	1612.000	1466.954	602.305	602.305	67.085	669.391	-247.520	-77.712	-66.576	-66.576
11-Oct-14	1612.000	1466.954	575.485	575.485	65.774	641.259	-247.520	-77.712	-66.576	-66.576
12-Oct-14	1612.000	1466.954	581.877	581.877	66.685	648.562	-247.520	-77.712	-61.705	-61.705
13-Oct-14	1612.000	1466.954	581.746	581.746	66.566	648.312	-247.520	-77.712	-66.470	-66.470
14-Oct-14	1612.000	1466.954	533.867	533.867	58.160	592.027	-247.520	-77.712	-65.376	-65.376
15-Oct-14	1612.000	1466.954	542.957	542.957	61.302	604.258	-247.520	-77.712	-65.336	-65.336
16-Oct-14	1612.000	1466.954	545.391	545.391	65.188	610.579	-247.520	-77.712	-64.936	-64.936
17-Oct-14	1612.000	1466.954	568.223	568.223	64.472	632.695	-247.520	-77.712	-65.376	-65.376
18-Oct-14	1612.000	1466.954	557.780	557.780	66.074	623.854	-247.520	-77.712	-65.376	-65.376
19-Oct-14	1612.000	1466.954	561.846	561.846	65.577	627.423	-247.520	-77.712	-65.376	-65.376
20-Oct-14	1612.000	1466.954	558.779	558.779	64.973	623.752	-247.520	-77.712	-65.396	-65.396
21-Oct-14	1612.000	1466.954	529.892	529.892	65.941	595.833	-247.520	-77.712	-65.696	-65.696
22-Oct-14	1612.000	1466.954	533.389	533.389	66.969	600.358	-247.520	-77.712	-66.576	-66.576
23-Oct-14	1612.000	1466.954	522.465	522.465	66.376	588.841	-247.520	-77.712	-66.576	-66.576
24-Oct-14	1612.000	1466.954	541.184	541.184	67.597	608.781	-247.520	-77.712	-66.472	-66.472
25-Oct-14	1612.000	1466.954	570.812	570.812	68.730	639.542	-247.520	-77.808	-68.259	-68.259
26-Oct-14	1612.000	1466.954	523.892	523.892	67.468	591.360	-247.520	-77.808	-68.020	-68.020
27-Oct-14	1612.000	1466.954	525.780	525.780	69.792	595.573	-247.520	-78.864	-69.648	-69.648
28-Oct-14	1612.000	1466.954	534.246	534.246	68.758	603.004	-247.520	-78.864	-69.624	-69.624
29-Oct-14	1612.000	1466.954	529.068	529.068	70.191	599.259	-247.520	-79.296	-69.312	-69.312
30-Oct-14	1612.000	1466.954	527.297	527.297	66.048	593.345	-247.520	-79.320	-68.712	-68.712
31-Oct-14	1612.000	1466.954	537.273	537.273	67.005	604.277	-247.520	-78.912	-67.783	-67.783
1-Nov-14	1612.000	1467.194	622.750	622.750	66.345	689.095	-247.520	-66.520	-66.280	-66.280
2-Nov-14	1612.000	1472.954	677.891	677.891	63.436	741.326	-247.520	-66.520	-66.280	-66.280
3-Nov-14	1612.000	1472.954	648.656	648.656	66.071	714.727	-247.520	-66.520	-66.280	-66.280
4-Nov-14	1612.000	1472.954	578.002	578.002	65.425	643.426	-247.520	-66.520	-66.280	-66.280
5-Nov-14	1612.000	1472.954	573.715	573.715	69.273	642.988	-247.520	-66.520	-68.180	-68.180
6-Nov-14	1612.000	1472.954	566.413	566.413	90.565	656.977	-247.520	-89.320	-90.280	-90.280
7-Nov-14	1612.000	1472.954	584.837	584.837	107.259	692.097	-247.520	-103.720	-103.580	-103.580
8-Nov-14	1612.000	1472.954	561.643	561.643	104.137	665.780	-247.520	-104.920	-104.680	-104.680
9-Nov-14	1612.000	1472.954	612.909	612.909	88.478	701.387	-247.520	-104.920	-88.467	-88.467
10-Nov-14	1612.000	1472.954	612.311	612.311	80.010	692.322	-247.520	-104.920	-78.680	-78.680
11-Nov-14	1612.000	1472.954	627.393	627.393	77.481	704.874	-247.520	-104.920	-78.680	-78.680
12-Nov-14	1612.000	1472.954	624.709	624.709	80.515	705.224	-247.520	-104.920	-78.680	-78.680

13-Nov-14	1612.000	1472.954	619.643	619.643	77.766	697.410	-247.520	-80.920	-77.900	-77.900
14-Nov-14	1612.000	1472.954	620.049	620.049	77.082	697.132	-247.520	-80.920	-79.480	-79.480
15-Nov-14	1612.000	1472.954	619.664	619.664	78.725	698.389	-247.520	-104.920	-78.120	-78.120
16-Nov-14	1612.000	1472.954	620.172	620.172	78.309	698.482	-247.520	-104.920	-78.160	-78.160
17-Nov-14	1612.000	1472.954	619.499	619.499	84.152	703.651	-247.520	-80.920	-80.717	-80.717
18-Nov-14	1612.000	1472.954	590.011	590.011	101.154	691.165	-247.520	-104.920	-104.050	-104.050
19-Nov-14	1612.000	1472.954	598.653	598.653	104.704	703.357	-247.520	-104.920	-104.540	-104.540
20-Nov-14	1612.000	1472.954	591.840	591.840	99.845	691.685	-247.520	-104.200	-103.940	-103.940
21-Nov-14	1612.000	1472.954	611.270	611.270	105.725	716.994	-247.520	-104.920	-104.600	-104.600
22-Nov-14	1612.000	1472.954	611.115	611.115	104.419	715.533	-247.520	-104.920	-104.600	-104.600
23-Nov-14	1612.000	1472.954	609.438	609.438	104.778	714.215	-247.520	-104.920	-104.600	-104.600
24-Nov-14	1612.000	1472.954	620.923	620.923	107.362	728.285	-247.520	-104.920	-104.600	-104.600
25-Nov-14	1612.000	1472.954	637.592	637.592	101.797	739.389	-247.520	-104.920	-104.600	-104.600
26-Nov-14	1612.000	1472.954	641.110	641.110	104.816	745.927	-247.520	-104.920	-104.600	-104.600
27-Nov-14	1612.000	1472.954	647.802	647.802	104.564	752.367	-247.520	-104.920	-104.600	-104.600
28-Nov-14	1612.000	1472.954	656.006	656.006	104.358	760.364	-247.520	-104.920	-104.600	-104.600
29-Nov-14	1612.000	1472.954	647.735	647.735	104.530	752.265	-247.520	-104.920	-104.600	-104.600
30-Nov-14	1612.000	1472.954	634.699	634.699	103.106	737.805	-247.520	-104.920	-103.383	-103.383
1-Dec-14	1612.000	1472.954	554.425	554.425	85.826	640.251	-247.520	-90.040	-85.400	-85.400
2-Dec-14	1612.000	1472.954	616.737	616.737	38.672	655.409	-247.520	-79.960	-39.360	-39.360
3-Dec-14	1612.000	1472.954	542.681	542.681	90.260	632.941	-247.520	-89.560	-89.700	-89.700
4-Dec-14	1612.000	1472.954	515.418	515.418	91.369	606.786	-247.520	-91.720	-91.580	-91.580
5-Dec-14	1612.000	1472.954	515.698	515.698	90.613	606.311	-247.520	-90.520	-90.480	-90.480
6-Dec-14	1612.000	1472.954	514.183	514.183	90.421	604.604	-247.520	-90.520	-90.480	-90.480
7-Dec-14	1612.000	1472.954	519.675	519.675	90.851	610.526	-247.520	-90.520	-90.480	-90.480
8-Dec-14	1612.000	1472.954	523.974	523.974	90.483	614.457	-247.520	-90.520	-90.480	-90.480
9-Dec-14	1612.000	1472.954	515.312	515.312	91.212	606.525	-247.520	-90.520	-90.480	-90.480
10-Dec-14	1612.000	1472.954	526.144	526.144	89.337	615.481	-247.520	-90.520	-90.480	-90.480
11-Dec-14	1612.000	1472.954	510.788	510.788	77.271	588.059	-247.520	-90.520	-84.560	-84.560
12-Dec-14	1612.000	1472.954	500.410	500.410	88.460	588.870	-247.520	-90.520	-90.480	-90.480
13-Dec-14	1612.000	1472.954	485.736	485.736	102.146	587.882	-247.520	-90.520	-90.480	-90.480
14-Dec-14	1612.000	1472.954	498.371	498.371	92.110	590.481	-247.520	-90.520	-90.480	-90.480
15-Dec-14	1612.000	1472.954	505.225	505.225	89.989	595.214	-247.520	-90.520	-90.660	-90.660
16-Dec-14	1612.000	1472.954	500.030	500.030	94.711	594.740	-247.520	-92.680	-92.383	-92.383
17-Dec-14	1612.000	1472.954	497.055	497.055	89.648	586.702	-247.520	-90.640	-89.640	-89.640
18-Dec-14	1612.000	1472.954	503.327	503.327	87.098	590.425	-247.520	-90.640	-89.370	-89.370
19-Dec-14	1612.000	1472.954	506.804	506.804	89.454	596.257	-247.520	-90.640	-86.670	-86.670
20-Dec-14	1612.000	1472.954	477.516	477.516	88.605	566.122	-247.520	-90.640	-89.640	-89.640
21-Dec-14	1612.000	1472.954	483.621	483.621	89.991	573.612	-247.520	-90.640	-89.640	-89.640
22-Dec-14	1612.000	1472.954	490.237	490.237	86.593	576.830	-247.520	-90.640	-89.640	-89.640
23-Dec-14	1612.000	1472.954	516.273	516.273	87.437	603.710	-247.520	-90.640	-89.640	-89.640

24-Dec-14	1612.000	1472.954	491.214	491.214	90.861	582.075	-247.520	-90.640	-89.640	-89.640
25-Dec-14	1612.000	1472.954	495.749	495.749	88.819	584.567	-247.520	-90.640	-89.640	-89.640
26-Dec-14	1612.000	1472.954	495.184	495.184	89.439	584.623	-247.520	-90.640	-89.610	-89.610
27-Dec-14	1612.000	1472.954	495.120	495.120	89.442	584.562	-247.520	-90.640	-89.640	-89.640
28-Dec-14	1612.000	1472.954	494.740	494.740	89.765	584.505	-247.520	-90.640	-89.640	-89.640
29-Dec-14	1612.000	1472.954	494.093	494.093	89.999	584.093	-247.520	-90.640	-89.672	-89.672
30-Dec-14	1612.000	1472.954	527.442	527.442	85.114	612.556	-247.520	-91.024	-90.024	-90.024
31-Dec-14	1612.000	1472.954	521.976	521.976	70.036	592.011	-247.520	-90.640	-88.595	-88.595

Date	CZ>DE						DE>CZ			
	Technical capacity	Booked capacity	Physical flows	Nominations	Aux inferior	Nominations - Flows	Technical capacity	Booked capacity	Nominations	Nominations shadow
1-Oct-13	1071.472	930.307	564.717	682.123	564.717	117.405	-450.000	-59.199	-19.927	-19.927
2-Oct-13	1071.472	930.307	536.497	610.623	536.497	74.125	-450.000	-59.199	-20.073	-20.073
3-Oct-13	1071.472	930.307	572.860	583.679	572.860	10.820	-450.000	-61.359	-24.088	-24.088
4-Oct-13	1071.472	930.307	569.886	638.133	569.886	68.246	-450.000	-65.674	-24.242	-24.242
5-Oct-13	1071.472	930.307	637.576	664.871	637.576	27.296	-450.000	-62.799	-28.508	-28.508
6-Oct-13	1071.472	930.307	627.531	689.727	627.531	62.196	-450.000	-62.799	-35.391	-35.391
7-Oct-13	1071.472	930.307	681.735	715.429	681.735	33.694	-450.000	-59.199	-30.568	-30.568
8-Oct-13	1071.472	930.307	673.832	715.429	673.832	41.598	-450.000	-59.199	-22.848	-22.848
9-Oct-13	1071.472	930.307	687.991	715.429	687.991	27.438	-450.000	-59.199	-24.040	-24.040
10-Oct-13	1071.472	930.307	686.003	715.429	686.003	29.427	-450.000	-59.199	-22.927	-22.927
11-Oct-13	1071.472	930.307	717.613	737.285	717.613	19.673	-450.000	-59.199	-19.901	-19.901
12-Oct-13	1071.472	930.307	750.966	771.644	750.966	20.678	-450.000	-59.199	-21.058	-21.058
13-Oct-13	1071.472	930.307	746.975	777.223	746.975	30.248	-450.000	-59.199	-21.837	-21.837
14-Oct-13	1071.472	930.307	746.482	775.545	746.482	29.063	-450.000	-59.199	-16.396	-16.396
15-Oct-13	1071.472	930.307	755.984	775.307	755.984	19.323	-450.000	-59.199	-20.203	-20.203
16-Oct-13	1071.472	930.307	660.580	771.644	660.580	111.064	-450.000	-59.199	-22.806	-22.806
17-Oct-13	1071.472	939.907	795.748	744.436	795.748	-51.312	-450.000	-59.199	-18.870	-18.870
18-Oct-13	1071.472	939.907	686.426	739.356	686.426	52.930	-450.000	-59.199	-15.510	-15.510
19-Oct-13	1071.472	939.907	501.273	672.000	501.273	170.727	-450.000	-59.199	-12.237	-12.237
20-Oct-13	1071.472	939.907	447.503	361.793	447.503	-85.709	-450.000	-59.199	-14.848	-14.848
21-Oct-13	1071.472	954.307	545.676	465.284	545.676	-80.392	-450.000	-59.199	-20.981	-20.981
22-Oct-13	1071.472	954.307	584.370	580.782	584.370	-3.588	-450.000	-59.199	-20.266	-20.266
23-Oct-13	1071.472	954.307	585.820	612.613	585.820	26.793	-450.000	-59.199	-20.366	-20.366
24-Oct-13	1071.472	954.307	782.288	544.355	782.288	-237.934	-450.000	-59.199	-23.140	-23.140
25-Oct-13	1071.472	954.307	545.002	809.387	545.002	264.385	-450.000	-59.199	-23.619	-23.619
26-Oct-13	1071.472	954.307	506.272	543.378	506.272	37.106	-450.000	-59.199	-22.204	-22.204
27-Oct-13	1071.472	954.307	481.126	518.932	481.126	37.806	-450.000	-59.199	-19.416	-19.416

28-Oct-13	1071.472	990.307	574.131	542.232	574.131	-31.900	-450.000	-59.199	-21.504	-21.504
29-Oct-13	1071.472	990.307	671.529	635.467	671.529	-36.062	-450.000	-59.199	-19.321	-19.321
30-Oct-13	1071.472	990.307	659.275	690.359	659.275	31.084	-450.000	-59.199	-19.489	-19.489
31-Oct-13	1071.472	990.307	656.838	648.772	656.838	-8.066	-450.000	-74.631	-23.988	-23.988
1-Nov-13	1071.472	960.307	572.274	647.933	572.274	75.659	-450.000	-59.411	-27.997	-27.997
2-Nov-13	1071.472	960.307	554.826	580.631	554.826	25.805	-450.000	-75.443	-22.465	-22.465
3-Nov-13	1071.472	960.307	526.025	616.527	526.025	90.502	-450.000	-76.883	-26.988	-26.988
4-Nov-13	1071.472	960.307	629.700	592.819	629.700	-36.880	-450.000	-58.859	-24.495	-24.495
5-Nov-13	1071.472	960.307	767.673	635.195	767.673	-132.478	-450.000	-58.860	-22.207	-22.207
6-Nov-13	1071.472	960.307	782.510	815.387	782.510	32.877	-450.000	-58.859	-22.184	-22.184
7-Nov-13	1071.472	960.307	733.004	815.387	733.004	82.383	-450.000	-63.323	-22.340	-22.340
8-Nov-13	1071.472	960.307	508.468	767.556	508.468	259.088	-450.000	-61.763	-22.916	-22.916
9-Nov-13	1071.472	960.307	604.183	525.204	604.183	-78.979	-450.000	-58.859	-21.056	-21.056
10-Nov-13	1071.472	960.307	671.551	644.802	671.551	-26.749	-450.000	-58.859	-29.886	-29.886
11-Nov-13	1071.472	960.307	774.666	705.120	774.666	-69.545	-450.000	-58.859	-31.080	-31.080
12-Nov-13	1071.472	960.307	798.888	815.387	798.888	16.499	-450.000	-58.859	-26.723	-26.723
13-Nov-13	1071.472	960.307	767.321	815.387	767.321	48.066	-450.000	-66.323	-29.079	-29.079
14-Nov-13	1071.472	960.307	782.816	815.387	782.816	32.571	-450.000	-58.859	-30.283	-30.283
15-Nov-13	1071.472	960.307	782.477	815.387	782.477	32.910	-450.000	-58.859	-24.695	-24.695
16-Nov-13	1071.472	960.307	785.051	815.387	785.051	30.336	-450.000	-58.859	-26.739	-26.739
17-Nov-13	1071.472	960.307	788.564	815.387	788.564	26.823	-450.000	-58.859	-32.040	-32.040
18-Nov-13	1071.472	960.307	796.388	815.387	796.388	18.999	-450.000	-58.859	-25.799	-25.799
19-Nov-13	1071.472	960.307	775.350	815.387	775.350	40.037	-450.000	-58.859	-22.833	-22.833
20-Nov-13	1071.472	960.307	738.115	815.387	738.115	77.272	-450.000	-58.859	-23.998	-23.998
21-Nov-13	1071.472	960.307	755.360	815.387	755.360	60.027	-450.000	-58.859	-23.999	-23.999
22-Nov-13	1071.472	960.307	745.254	815.387	745.254	70.133	-450.000	-58.859	-24.116	-24.116
23-Nov-13	1071.472	960.307	749.959	815.387	749.959	65.428	-450.000	-58.859	-22.926	-22.926
24-Nov-13	1071.472	960.307	748.753	815.387	748.753	66.634	-450.000	-58.859	-29.491	-29.491
25-Nov-13	1071.472	960.307	745.403	815.387	745.403	69.984	-450.000	-58.859	-29.840	-29.840
26-Nov-13	1071.472	960.307	735.888	815.387	735.888	79.499	-450.000	-58.859	-22.920	-22.920
27-Nov-13	1071.472	960.307	735.526	815.387	735.526	79.862	-450.000	-72.667	-23.016	-23.016
28-Nov-13	1071.472	960.307	775.947	815.387	775.947	39.440	-450.000	-58.867	-23.078	-23.078
29-Nov-13	1071.472	960.307	794.254	815.387	794.254	21.133	-450.000	-58.885	-17.256	-17.256
30-Nov-13	1071.472	960.307	783.777	815.387	783.777	31.610	-450.000	-60.083	-18.791	-18.791
1-Dec-13	1071.472	960.307	829.948	864.928	829.948	34.980	-450.000	-59.145	-29.948	-29.948
2-Dec-13	1071.472	960.307	821.365	865.828	821.365	44.463	-450.000	-65.625	-31.291	-31.291
3-Dec-13	1071.472	960.307	833.529	865.828	833.529	32.299	-450.000	-55.353	-23.930	-23.930
4-Dec-13	1071.472	960.307	827.084	865.828	827.084	38.744	-450.000	-55.357	-24.021	-24.021
5-Dec-13	1071.472	960.307	843.006	865.828	843.006	22.822	-450.000	-55.353	-21.979	-21.979
6-Dec-13	1071.472	960.307	820.678	865.828	820.678	45.151	-450.000	-63.945	-21.323	-21.323
7-Dec-13	1071.472	960.307	828.823	865.828	828.823	37.006	-450.000	-55.353	-23.776	-23.776

8-Dec-13	1071.472	960.307	834.003	865.828	834.003	31.826	-450.000	-55.353	-34.115	-34.115
9-Dec-13	1071.472	960.307	815.430	865.828	815.430	50.398	-450.000	-55.358	-29.321	-29.321
10-Dec-13	1071.472	960.307	807.905	865.828	807.905	57.923	-450.000	-75.633	-24.329	-24.329
11-Dec-13	1071.472	960.307	825.497	865.828	825.497	40.331	-450.000	-58.905	-23.575	-23.575
12-Dec-13	1071.472	960.307	809.162	865.828	809.162	56.667	-450.000	-61.641	-23.378	-23.378
13-Dec-13	1071.472	960.307	807.696	865.828	807.696	58.132	-450.000	-61.185	-13.193	-13.193
14-Dec-13	1071.472	960.307	809.312	865.828	809.312	56.516	-450.000	-63.009	-22.381	-22.381
15-Dec-13	1071.472	960.307	828.106	865.828	828.106	37.723	-450.000	-63.009	-42.570	-42.570
16-Dec-13	1071.472	960.307	825.034	865.828	825.034	40.794	-450.000	-57.825	-37.388	-37.388
17-Dec-13	1071.472	960.307	829.933	865.828	829.933	35.895	-450.000	-57.825	-24.747	-24.747
18-Dec-13	1071.472	960.307	822.194	865.828	822.194	43.635	-450.000	-57.830	-24.092	-24.092
19-Dec-13	1071.472	960.307	824.119	865.828	824.119	41.709	-450.000	-57.838	-23.798	-23.798
20-Dec-13	1071.472	960.307	829.457	865.828	829.457	36.372	-450.000	-60.709	-24.073	-24.073
21-Dec-13	1071.472	961.640	829.618	867.162	829.618	37.544	-450.000	-57.825	-23.862	-23.862
22-Dec-13	1071.472	961.640	780.119	816.720	780.119	36.602	-450.000	-57.825	-36.419	-36.419
23-Dec-13	1071.472	961.640	832.833	867.162	832.833	34.329	-450.000	-57.825	-34.928	-34.928
24-Dec-13	1071.472	961.640	834.405	867.162	834.405	32.756	-450.000	-57.825	-25.704	-25.704
25-Dec-13	1071.472	961.640	827.402	867.162	827.402	39.759	-450.000	-57.825	-25.598	-25.598
26-Dec-13	1071.472	961.640	829.503	867.162	829.503	37.659	-450.000	-57.825	-38.198	-38.198
27-Dec-13	1071.472	961.640	832.956	867.162	832.956	34.206	-450.000	-57.825	-37.680	-37.680
28-Dec-13	1071.472	961.640	789.699	846.720	789.699	57.021	-450.000	-57.825	-20.152	-20.152
29-Dec-13	1071.472	961.640	814.130	846.720	814.130	32.591	-450.000	-57.825	-28.854	-28.854
30-Dec-13	1071.472	961.640	815.055	846.720	815.055	31.665	-450.000	-57.825	-33.372	-33.372
31-Dec-13	1071.472	961.640	802.931	837.720	802.931	34.790	-450.000	-57.825	-24.375	-24.375
1-Jan-14	1071.472	893.114	731.113	756.008	731.113	24.895	-450.000	-42.856	-18.973	-18.973
2-Jan-14	1071.472	893.114	680.650	775.964	680.650	95.314	-450.000	-42.856	-16.786	-16.786
3-Jan-14	1071.472	893.114	709.949	701.011	709.949	-8.938	-450.000	-42.856	-22.179	-22.179
4-Jan-14	1071.472	893.114	667.668	747.510	667.668	79.842	-450.000	-48.248	-14.565	-14.565
5-Jan-14	1071.472	893.114	684.814	711.694	684.814	26.880	-450.000	-48.248	-25.617	-25.617
6-Jan-14	1071.472	893.114	752.973	731.760	752.973	-21.214	-450.000	-45.380	-13.438	-13.438
7-Jan-14	1071.472	893.114	723.142	776.944	723.142	53.802	-450.000	-43.156	-20.228	-20.228
8-Jan-14	1071.472	893.114	724.766	751.417	724.766	26.651	-450.000	-43.156	-10.350	-10.350
9-Jan-14	1071.472	893.114	732.541	730.673	732.541	-1.869	-450.000	-43.156	-19.491	-19.491
10-Jan-14	1071.472	893.114	733.803	751.417	733.803	17.614	-450.000	-43.156	-19.491	-19.491
11-Jan-14	1071.472	893.114	753.965	771.961	753.965	17.996	-450.000	-43.156	-16.592	-16.592
12-Jan-14	1071.472	893.114	798.178	771.961	798.178	-26.217	-450.000	-43.156	-19.170	-19.170
13-Jan-14	1071.472	893.114	793.367	813.497	793.367	20.130	-450.000	-42.856	-18.896	-18.896
14-Jan-14	1071.472	893.114	776.154	794.489	776.154	18.336	-450.000	-42.856	-16.876	-16.876
15-Jan-14	1071.472	893.114	757.824	773.695	757.824	15.871	-450.000	-42.856	-16.670	-16.670
16-Jan-14	1071.472	893.114	757.077	771.961	757.077	14.884	-450.000	-42.856	-15.735	-15.735
17-Jan-14	1071.472	893.114	755.621	771.961	755.621	16.340	-450.000	-42.856	-15.012	-15.012

18-Jan-14	1071.472	893.114	757.704	771.961	757.704	14.257	-450.000	-42.856	-10.644	-10.644
19-Jan-14	1071.472	893.114	777.314	792.937	777.314	15.623	-450.000	-42.856	-13.950	-13.950
20-Jan-14	1071.472	893.114	780.142	792.937	780.142	12.795	-450.000	-42.856	-12.605	-12.605
21-Jan-14	1071.472	893.114	779.811	792.937	779.811	13.127	-450.000	-42.856	-14.125	-14.125
22-Jan-14	1071.472	893.114	779.737	792.937	779.737	13.200	-450.000	-42.856	-15.960	-15.960
23-Jan-14	1071.472	893.114	777.029	788.414	777.029	11.385	-450.000	-42.856	-15.943	-15.943
24-Jan-14	1071.472	893.114	769.763	788.414	769.763	18.651	-450.000	-42.856	-15.231	-15.231
25-Jan-14	1071.472	893.114	786.780	788.414	786.780	1.634	-450.000	-42.856	-10.675	-10.675
26-Jan-14	1071.472	893.114	795.375	788.414	795.375	-6.961	-450.000	-42.856	-15.473	-15.473
27-Jan-14	1071.472	893.114	787.489	816.285	787.489	28.796	-450.000	-42.856	-15.493	-15.493
28-Jan-14	1071.472	893.114	776.810	803.577	776.810	26.767	-450.000	-42.856	-14.974	-14.974
29-Jan-14	1071.472	893.114	765.310	803.577	765.310	38.267	-450.000	-42.856	-14.728	-14.728
30-Jan-14	1071.472	893.114	784.346	798.247	784.346	13.900	-450.000	-42.856	-14.496	-14.496
31-Jan-14	1071.472	893.114	764.946	803.577	764.946	38.631	-450.000	-42.856	-14.515	-14.515
1-Feb-14	1071.472	893.114	732.710	751.467	732.710	18.758	-450.000	-36.057	-10.214	-10.214
2-Feb-14	1071.472	893.114	741.819	762.304	741.819	20.486	-450.000	-36.057	-13.835	-13.835
3-Feb-14	1071.472	893.114	752.647	771.904	752.647	19.258	-450.000	-36.057	-14.614	-14.614
4-Feb-14	1071.472	893.114	760.393	771.904	760.393	11.512	-450.000	-36.057	-14.686	-14.686
5-Feb-14	1071.472	893.114	751.679	762.875	751.679	11.196	-450.000	-36.057	-10.538	-10.538
6-Feb-14	1071.472	893.114	771.152	761.972	771.152	-9.180	-450.000	-36.057	-9.859	-9.859
7-Feb-14	1071.472	893.114	745.608	761.972	745.608	16.365	-450.000	-36.057	-5.629	-5.629
8-Feb-14	1071.472	893.114	676.420	761.972	676.420	85.552	-450.000	-36.057	-12.286	-12.286
9-Feb-14	1071.472	893.114	660.260	645.176	660.260	-15.084	-450.000	-36.057	-8.620	-8.620
10-Feb-14	1071.472	893.114	749.963	662.700	749.963	-87.263	-450.000	-36.057	-9.340	-9.340
11-Feb-14	1071.472	893.114	720.905	771.086	720.905	50.181	-450.000	-36.345	-10.507	-10.507
12-Feb-14	1071.472	893.114	741.234	715.148	741.234	-26.086	-450.000	-36.057	-9.518	-9.518
13-Feb-14	1071.472	893.114	747.929	761.972	747.929	14.043	-450.000	-36.057	-10.300	-10.300
14-Feb-14	1071.472	893.114	700.962	761.972	700.962	61.011	-450.000	-36.057	-10.300	-10.300
15-Feb-14	1071.472	893.114	616.657	704.540	616.657	87.883	-450.000	-36.057	-7.900	-7.900
16-Feb-14	1071.472	893.114	644.226	635.938	644.226	-8.288	-450.000	-36.057	-9.230	-9.230
17-Feb-14	1071.472	893.114	738.805	648.228	738.805	-90.577	-450.000	-36.057	-9.151	-9.151
18-Feb-14	1071.472	893.114	725.875	741.237	725.875	15.362	-450.000	-36.057	-8.618	-8.618
19-Feb-14	1071.472	893.114	713.700	731.972	713.700	18.272	-450.000	-36.057	-9.443	-9.443
20-Feb-14	1071.472	893.114	698.392	731.972	698.392	33.580	-450.000	-36.057	-9.166	-9.166
21-Feb-14	1071.472	893.114	678.703	731.972	678.703	53.269	-450.000	-36.057	-9.249	-9.249
22-Feb-14	1071.472	893.114	670.436	708.607	670.436	38.171	-450.000	-36.057	-10.195	-10.195
23-Feb-14	1071.472	893.114	665.427	694.760	665.427	29.332	-450.000	-36.057	-13.337	-13.337
24-Feb-14	1071.472	893.114	718.015	677.861	718.015	-40.154	-450.000	-36.057	-13.404	-13.404
25-Feb-14	1071.472	893.114	663.906	731.972	663.906	68.066	-450.000	-36.057	-10.725	-10.725
26-Feb-14	1071.472	893.114	635.100	694.031	635.100	58.930	-450.000	-36.057	-9.505	-9.505
27-Feb-14	1071.472	893.114	631.755	648.548	631.755	16.793	-450.000	-38.190	-11.686	-11.686

28-Feb-14	1071.472	893.114	580.760	629.802	580.760	49.042	-450.000	-44.054	-12.661	-12.661
1-Mar-14	1071.472	863.114	629.008	614.632	629.008	-14.375	-450.000	-39.200	-11.183	-11.183
2-Mar-14	1071.472	863.114	629.630	676.945	629.630	47.316	-450.000	-37.600	-16.483	-16.483
3-Mar-14	1071.472	863.114	624.307	671.661	624.307	47.354	-450.000	-36.030	-16.058	-16.058
4-Mar-14	1071.472	863.114	684.333	678.913	684.333	-5.420	-450.000	-36.030	-11.532	-11.532
5-Mar-14	1071.472	863.114	562.360	697.446	562.360	135.086	-450.000	-36.030	-11.243	-11.243
6-Mar-14	1071.472	863.114	485.348	588.825	485.348	103.477	-450.000	-36.030	-12.902	-12.902
7-Mar-14	1071.472	863.114	448.031	494.340	448.031	46.309	-450.000	-36.030	-13.449	-13.449
8-Mar-14	1071.472	863.114	483.900	460.872	483.900	-23.028	-450.000	-36.030	-12.056	-12.056
9-Mar-14	1071.472	863.114	501.871	502.775	501.871	0.904	-450.000	-36.030	-13.377	-13.377
10-Mar-14	1071.472	863.114	541.257	514.186	541.257	-27.071	-450.000	-36.030	-13.487	-13.487
11-Mar-14	1071.472	863.114	469.125	598.742	469.125	129.617	-450.000	-36.047	-11.025	-11.025
12-Mar-14	1071.472	863.114	405.007	479.569	405.007	74.562	-450.000	-36.030	-14.146	-14.146
13-Mar-14	1071.472	863.114	395.393	421.358	395.393	25.965	-450.000	-36.030	-14.012	-14.012
14-Mar-14	1071.472	863.114	450.399	421.358	450.399	-29.041	-450.000	-36.030	-12.746	-12.746
15-Mar-14	1071.472	863.114	457.604	466.252	457.604	8.648	-450.000	-36.030	-12.709	-12.709
16-Mar-14	1071.472	863.114	460.228	472.729	460.228	12.501	-450.000	-36.030	-14.180	-14.180
17-Mar-14	1071.472	863.114	426.238	472.729	426.238	46.490	-450.000	-36.030	-11.942	-11.942
18-Mar-14	1071.472	863.114	441.231	424.264	441.231	-16.967	-450.000	-36.030	-11.284	-11.284
19-Mar-14	1071.472	863.114	470.075	485.164	470.075	15.089	-450.000	-36.030	-10.235	-10.235
20-Mar-14	1071.472	863.114	485.760	485.081	485.760	-0.679	-450.000	-36.030	-11.966	-11.966
21-Mar-14	1071.472	863.114	458.159	514.876	458.159	56.717	-450.000	-36.174	-12.668	-12.668
22-Mar-14	1071.472	863.114	479.499	495.793	479.499	16.294	-450.000	-36.030	-10.550	-10.550
23-Mar-14	1071.472	863.114	542.929	491.288	542.929	-51.641	-450.000	-36.030	-10.481	-10.481
24-Mar-14	1071.472	863.114	597.038	556.184	597.038	-40.854	-450.000	-36.030	-8.891	-8.891
25-Mar-14	1071.472	863.114	469.195	570.259	469.195	101.064	-450.000	-36.030	-10.548	-10.548
26-Mar-14	1071.472	863.114	559.177	472.563	559.177	-86.614	-450.000	-36.030	-12.708	-12.708
27-Mar-14	1071.472	863.114	469.117	591.683	469.117	122.566	-450.000	-36.030	-12.708	-12.708
28-Mar-14	1071.472	863.114	446.460	520.041	446.460	73.580	-450.000	-36.030	-8.873	-8.873
29-Mar-14	1071.472	863.114	370.832	456.747	370.832	85.915	-450.000	-36.030	-16.716	-16.716
30-Mar-14	1071.472	863.114	393.762	469.294	393.762	75.531	-450.000	-36.030	-16.376	-16.376
31-Mar-14	1071.472	863.114	384.609	377.072	384.609	-7.536	-450.000	-36.030	-13.190	-13.190
1-Apr-14	1071.472	863.114	388.193	432.502	388.193	44.309	-450.000	-36.385	-13.828	-13.828
2-Apr-14	1071.472	863.114	454.027	431.526	454.027	-22.501	-450.000	-36.385	-15.662	-15.662
3-Apr-14	1071.472	863.114	359.196	506.206	359.196	147.010	-450.000	-36.385	-13.847	-13.847
4-Apr-14	1071.472	863.114	313.018	405.810	313.018	92.793	-450.000	-36.385	-13.839	-13.839
5-Apr-14	1071.472	863.114	318.288	384.688	318.288	66.400	-450.000	-36.385	-19.186	-19.186
6-Apr-14	1071.472	863.114	336.663	368.994	336.663	32.330	-450.000	-44.616	-29.443	-29.443
7-Apr-14	1071.472	863.114	406.542	371.623	406.542	-34.919	-450.000	-38.785	-19.930	-19.930
8-Apr-14	1071.472	863.114	460.907	482.607	460.907	21.701	-450.000	-36.385	-14.619	-14.619
9-Apr-14	1071.472	863.114	536.186	488.087	536.186	-48.099	-450.000	-36.385	-13.988	-13.988

10-Apr-14	1071.472	863.114	541.314	557.342	541.314	16.029	-450.000	-36.385	-13.881	-13.881
11-Apr-14	1071.472	863.114	460.652	566.801	460.652	106.149	-450.000	-36.385	-16.755	-16.755
12-Apr-14	1071.472	863.114	426.352	480.764	426.352	54.413	-450.000	-36.385	-20.610	-20.610
13-Apr-14	1071.472	863.114	400.049	452.947	400.049	52.898	-450.000	-40.705	-22.975	-22.975
14-Apr-14	1071.472	863.114	412.282	458.800	412.282	46.518	-450.000	-41.905	-27.053	-27.053
15-Apr-14	1071.472	863.114	458.818	464.407	458.818	5.588	-450.000	-36.385	-16.818	-16.818
16-Apr-14	1071.472	863.114	473.823	501.209	473.823	27.386	-450.000	-36.385	-20.495	-20.495
17-Apr-14	1071.472	863.114	468.837	552.381	468.837	83.544	-450.000	-36.385	-13.874	-13.874
18-Apr-14	1071.472	863.114	482.715	558.111	482.715	75.396	-450.000	-36.385	-13.891	-13.891
19-Apr-14	1071.472	863.114	505.887	554.245	505.887	48.359	-450.000	-77.857	-55.812	-55.812
20-Apr-14	1071.472	863.114	449.848	565.798	449.848	115.950	-450.000	-87.217	-67.336	-67.336
21-Apr-14	1071.472	863.114	437.693	511.530	437.693	73.837	-450.000	-87.289	-66.335	-66.335
22-Apr-14	1071.472	863.114	484.189	498.536	484.189	14.347	-450.000	-42.937	-22.275	-22.275
23-Apr-14	1071.472	863.114	402.873	530.922	402.873	128.048	-450.000	-36.385	-19.622	-19.622
24-Apr-14	1071.472	863.114	380.637	459.175	380.637	78.538	-450.000	-48.625	-29.566	-29.566
25-Apr-14	1071.472	863.114	317.916	471.880	317.916	153.964	-450.000	-50.305	-30.691	-30.691
26-Apr-14	1071.472	863.114	320.053	403.621	320.053	83.568	-450.000	-86.689	-30.727	-30.727
27-Apr-14	1071.472	863.114	391.509	376.716	391.509	-14.793	-450.000	-90.769	-69.671	-69.671
28-Apr-14	1071.472	863.114	412.117	457.182	412.117	45.065	-450.000	-86.929	-67.329	-67.329
29-Apr-14	1071.472	863.114	451.869	480.101	451.869	28.232	-450.000	-50.305	-29.857	-29.857
30-Apr-14	1071.472	863.114	384.850	480.101	384.850	95.251	-450.000	-50.305	-30.499	-30.499
1-May-14	1071.472	863.114	344.534	481.703	344.534	137.168	-450.000	-39.919	-11.299	-11.299
2-May-14	1071.472	863.114	408.971	467.567	408.971	58.596	-450.000	-39.919	-14.115	-14.115
3-May-14	1071.472	863.114	438.534	488.016	438.534	49.481	-450.000	-77.019	-9.882	-9.882
4-May-14	1071.472	863.114	492.206	500.524	492.206	8.317	-450.000	-77.485	-33.995	-33.995
5-May-14	1071.472	863.114	507.392	539.450	507.392	32.058	-450.000	-77.540	-29.024	-29.024
6-May-14	1071.472	863.114	467.730	562.868	467.730	95.138	-450.000	-40.445	-18.738	-18.738
7-May-14	1071.472	863.114	441.521	524.439	441.521	82.919	-450.000	-39.919	-9.890	-9.890
8-May-14	1071.472	863.114	372.744	529.235	372.744	156.491	-450.000	-41.119	-20.126	-20.126
9-May-14	1071.472	863.114	394.090	529.235	394.090	135.144	-450.000	-41.119	-19.961	-19.961
10-May-14	1071.472	863.114	448.808	483.334	448.808	34.526	-450.000	-50.719	-45.368	-45.368
11-May-14	1071.472	863.114	463.061	483.085	463.061	20.024	-450.000	-51.368	-47.989	-47.989
12-May-14	1071.472	863.114	494.437	534.384	494.437	39.948	-450.000	-52.615	-49.174	-49.174
13-May-14	1071.472	863.114	496.617	534.384	496.617	37.767	-450.000	-50.719	na	na
14-May-14	1071.472	863.114	528.170	549.419	528.170	21.249	-450.000	-50.719	-37.210	-37.210
15-May-14	1071.472	863.114	533.723	561.875	533.723	28.152	-450.000	-50.719	-54.972	-54.972
16-May-14	1071.472	863.114	366.117	618.370	366.117	252.253	-450.000	-50.719	-44.722	-44.722
17-May-14	1071.472	863.114	323.183	494.846	323.183	171.663	-450.000	-50.719	-46.109	-46.109
18-May-14	1071.472	863.114	279.105	469.346	279.105	190.242	-450.000	-55.039	-147.741	-147.741
19-May-14	1071.472	863.114	357.149	517.442	357.149	160.293	-450.000	-52.159	-102.143	-102.143
20-May-14	1071.472	863.114	318.418	465.874	318.418	147.457	-450.000	-50.719	-30.481	-30.481

21-May-14	1071.472	863.114	483.181	489.209	483.181	6.028	-450.000	-50.719	-29.796	-29.796
22-May-14	1071.472	863.114	512.237	557.828	512.237	45.592	-450.000	-50.719	-26.131	-26.131
23-May-14	1071.472	863.114	417.698	556.022	417.698	138.324	-450.000	-50.719	-22.889	-22.889
24-May-14	1071.472	863.114	359.198	483.823	359.198	124.625	-450.000	-50.719	-20.009	-20.009
25-May-14	1071.472	863.114	353.271	483.252	353.271	129.980	-450.000	-50.719	-43.658	-43.658
26-May-14	1071.472	863.114	432.737	480.802	432.737	48.065	-450.000	-50.719	-43.746	-43.746
27-May-14	1071.472	863.114	503.163	518.419	503.163	15.256	-450.000	-50.719	-27.432	-27.432
28-May-14	1071.472	863.114	445.222	539.179	445.222	93.957	-450.000	-50.719	-28.832	-28.832
29-May-14	1071.472	863.114	458.096	567.143	458.096	109.047	-450.000	-50.719	-30.512	-30.512
30-May-14	1071.472	863.114	442.884	567.143	442.884	124.258	-450.000	-50.719	-29.643	-29.643
31-May-14	1071.472	863.114	496.426	567.143	496.426	70.716	-450.000	-50.719	-31.680	-31.680
1-Jun-14	1071.472	863.114	593.129	591.390	593.129	-1.740	-450.000	-30.301	-63.070	-63.070
2-Jun-14	1071.472	863.114	635.291	655.663	635.291	20.372	-450.000	-30.301	-37.389	-37.389
3-Jun-14	1071.472	863.114	569.638	566.527	569.638	-3.111	-450.000	-30.301	-7.265	-7.265
4-Jun-14	1071.472	863.114	656.229	650.021	656.229	-6.208	-450.000	-30.301	-6.850	-6.850
5-Jun-14	1071.472	863.114	633.205	656.496	633.205	23.292	-450.000	-30.301	-6.604	-6.604
6-Jun-14	1071.472	863.114	631.226	656.496	631.226	25.270	-450.000	-30.301	na	na
7-Jun-14	1071.472	863.114	584.753	676.906	584.753	92.153	-450.000	-30.301	-7.199	-7.199
8-Jun-14	1071.472	863.114	604.359	612.639	604.359	8.280	-450.000	-31.021	-33.501	-33.501
9-Jun-14	1071.472	863.114	685.583	646.768	685.583	-38.815	-450.000	-31.021	-23.655	-23.655
10-Jun-14	1071.472	863.114	713.276	735.200	713.276	21.924	-450.000	-31.021	-22.587	-22.587
11-Jun-14	1071.472	863.114	659.355	729.747	659.355	70.392	-450.000	-31.021	-20.187	-20.187
12-Jun-14	1071.472	863.114	621.729	676.904	621.729	55.175	-450.000	-31.021	-7.196	-7.196
13-Jun-14	1071.472	863.114	623.252	629.744	623.252	6.492	-450.000	-31.021	-7.214	-7.214
14-Jun-14	1071.472	863.114	493.650	613.692	493.650	120.043	-450.000	-31.021	-7.196	-7.196
15-Jun-14	1071.472	863.114	496.220	529.490	496.220	33.270	-450.000	-31.021	-7.137	-7.137
16-Jun-14	1071.472	863.114	607.554	623.902	607.554	16.348	-450.000	-31.021	-6.922	-6.922
17-Jun-14	1071.472	863.114	611.134	628.054	611.134	16.920	-450.000	-31.021	-6.846	-6.846
18-Jun-14	1071.472	863.114	588.347	635.860	588.347	47.513	-450.000	-31.021	-6.882	-6.882
19-Jun-14	1071.472	863.114	523.732	610.860	523.732	87.128	-450.000	-31.021	-6.894	-6.894
20-Jun-14	1071.472	863.114	558.403	553.811	558.403	-4.591	-450.000	-31.021	-22.628	-22.628
21-Jun-14	1071.472	863.114	567.258	628.728	567.258	61.470	-450.000	-31.021	-7.117	-7.117
22-Jun-14	1071.472	863.114	601.922	585.669	601.922	-16.253	-450.000	-31.021	-25.007	-25.007
23-Jun-14	1071.472	863.114	661.510	606.013	661.510	-55.497	-450.000	-31.021	-24.711	-24.711
24-Jun-14	1071.472	863.114	483.077	710.621	483.077	227.544	-450.000	-31.021	-22.607	-22.607
25-Jun-14	1071.472	863.114	518.538	599.388	518.538	80.850	-450.000	-31.021	-11.480	-11.480
26-Jun-14	1071.472	863.114	535.329	612.123	535.329	76.795	-450.000	-31.021	-7.170	-7.170
27-Jun-14	1071.472	863.114	494.719	563.725	494.719	69.007	-450.000	-31.021	-5.517	-5.517
28-Jun-14	1071.472	863.114	464.125	554.717	464.125	90.592	-450.000	-31.021	-23.295	-23.295
29-Jun-14	1071.472	863.114	465.786	492.520	465.786	26.734	-450.000	-31.021	-26.223	-26.223
30-Jun-14	1071.472	863.114	537.875	527.661	537.875	-10.214	-450.000	-31.021	-24.306	-24.306

1-Jul-14	1071.472	863.114	521.452	541.584	521.452	20.132	-450.000	-28.842	-20.180	-20.180
2-Jul-14	1071.472	863.114	469.488	527.093	469.488	57.605	-450.000	-28.842	-6.480	-6.480
3-Jul-14	1071.472	863.114	472.764	485.475	472.764	12.711	-450.000	-28.842	-6.479	-6.479
4-Jul-14	1071.472	863.114	478.820	471.510	478.820	-7.309	-450.000	-32.027	-9.622	-9.622
5-Jul-14	1071.472	863.114	419.168	501.082	419.168	81.914	-450.000	-32.027	-21.841	-21.841
6-Jul-14	1071.472	863.114	430.519	462.904	430.519	32.386	-450.000	-32.507	-26.721	-26.721
7-Jul-14	1071.472	863.114	505.563	445.796	505.563	-59.767	-450.000	-32.027	-21.490	-21.490
8-Jul-14	1071.472	863.114	433.534	539.216	433.534	105.682	-450.000	-32.027	-8.588	-8.588
9-Jul-14	1071.472	863.114	479.109	484.985	479.109	5.877	-450.000	-32.027	-7.208	-7.208
10-Jul-14	1071.472	863.114	461.582	471.962	461.582	10.380	-450.000	-32.027	-6.405	-6.405
11-Jul-14	1071.472	863.114	440.503	490.978	440.503	50.476	-450.000	-32.027	-7.226	-7.226
12-Jul-14	1071.472	863.114	371.024	448.563	371.024	77.539	-450.000	-32.027	-6.388	-6.388
13-Jul-14	1071.472	863.114	395.265	416.497	395.265	21.232	-450.000	-32.027	-9.597	-9.597
14-Jul-14	1071.472	863.114	434.905	421.497	434.905	-13.408	-450.000	-32.027	-25.847	-25.847
15-Jul-14	1071.472	863.114	428.395	430.282	428.395	1.887	-450.000	-32.027	-6.413	-6.413
16-Jul-14	1071.472	863.114	369.954	395.032	369.954	25.077	-450.000	-32.027	-21.895	-21.895
17-Jul-14	1071.472	863.114	352.469	384.476	352.469	32.007	-450.000	-32.027	-6.443	-6.443
18-Jul-14	1071.472	863.114	369.567	375.003	369.567	5.436	-450.000	-32.027	-6.506	-6.506
19-Jul-14	1071.472	863.114	386.632	410.467	386.632	23.835	-450.000	-32.027	-7.151	-7.151
20-Jul-14	1071.472	863.114	383.414	411.621	383.414	28.208	-450.000	-32.027	-10.359	-10.359
21-Jul-14	1071.472	863.114	375.878	384.476	375.878	8.598	-450.000	-32.027	-10.344	-10.344
22-Jul-14	1071.472	863.114	393.492	384.476	393.492	-9.016	-450.000	-32.027	-6.394	-6.394
23-Jul-14	1071.472	863.114	365.015	423.241	365.015	58.225	-450.000	-32.027	-6.461	-6.461
24-Jul-14	1071.472	863.114	389.160	389.076	389.160	-0.084	-450.000	-32.027	-6.393	-6.393
25-Jul-14	1071.472	863.114	395.143	421.746	395.143	26.603	-450.000	-32.027	-6.149	-6.149
26-Jul-14	1071.472	863.114	342.022	411.746	342.022	69.723	-450.000	-32.027	-4.467	-4.467
27-Jul-14	1071.472	863.114	340.217	368.150	340.217	27.933	-450.000	-32.027	-26.912	-26.912
28-Jul-14	1071.472	863.114	325.324	378.150	325.324	52.826	-450.000	-32.027	-24.757	-24.757
29-Jul-14	1071.472	863.114	408.270	347.010	408.270	-61.260	-450.000	-32.027	-7.598	-7.598
30-Jul-14	1071.472	863.114	525.002	440.108	525.002	-84.894	-450.000	-32.027	-21.612	-21.612
31-Jul-14	1071.472	863.114	537.229	550.292	537.229	13.062	-450.000	-32.027	-22.332	-22.332
1-Aug-14	1071.472	863.114	612.920	625.731	612.920	12.811	-450.000	-28.860	-21.457	-21.457
2-Aug-14	1071.472	863.114	603.944	656.658	603.944	52.714	-450.000	-28.860	-22.129	-22.129
3-Aug-14	1071.472	863.114	554.786	641.960	554.786	87.174	-450.000	-28.860	-23.339	-23.339
4-Aug-14	1071.472	863.114	609.697	591.140	609.697	-18.557	-450.000	-28.860	-21.485	-21.485
5-Aug-14	1071.472	863.114	618.779	622.031	618.779	3.251	-450.000	-28.860	-6.108	-6.108
6-Aug-14	1071.472	863.114	611.173	638.120	611.173	26.946	-450.000	-28.860	-5.900	-5.900
7-Aug-14	1071.472	863.114	531.944	678.897	531.944	146.953	-450.000	-29.009	-6.178	-6.178
8-Aug-14	1071.472	863.114	469.973	575.196	469.973	105.223	-450.000	-29.009	-6.560	-6.560
9-Aug-14	1071.472	863.114	435.792	513.165	435.792	77.373	-450.000	-29.009	-6.832	-6.832
10-Aug-14	1071.472	863.114	398.113	465.085	398.113	66.972	-450.000	-30.935	-11.111	-11.111

11-Aug-14	1071.472	863.114	375.993	434.381	375.993	58.388	-450.000	-29.009	-6.847	-6.847
12-Aug-14	1071.472	863.114	315.655	391.844	315.655	76.189	-450.000	-29.009	-7.147	-7.147
13-Aug-14	1071.472	863.114	349.010	336.601	349.010	-12.409	-450.000	-29.009	-6.472	-6.472
14-Aug-14	1071.472	863.114	330.645	330.796	330.645	0.151	-450.000	-29.009	-8.621	-8.621
15-Aug-14	1071.472	863.114	391.927	337.878	391.927	-54.050	-450.000	-29.009	-6.079	-6.079
16-Aug-14	1071.472	863.114	379.718	418.344	379.718	38.626	-450.000	-29.009	-6.079	-6.079
17-Aug-14	1071.472	863.114	382.995	408.379	382.995	25.384	-450.000	-29.011	-23.215	-23.215
18-Aug-14	1071.472	863.114	360.403	392.850	360.403	32.447	-450.000	-29.053	-21.909	-21.909
19-Aug-14	1071.472	863.114	424.435	391.439	424.435	-32.997	-450.000	-29.009	-7.155	-7.155
20-Aug-14	1071.472	863.114	462.961	452.971	462.961	-9.990	-450.000	-29.009	-7.111	-7.111
21-Aug-14	1071.472	863.114	388.802	481.392	388.802	92.589	-450.000	-29.009	-23.312	-23.312
22-Aug-14	1071.472	863.114	418.151	426.315	418.151	8.164	-450.000	-29.009	-7.088	-7.088
23-Aug-14	1071.472	863.114	347.514	441.761	347.514	94.247	-450.000	-29.009	-6.603	-6.603
24-Aug-14	1071.472	863.114	355.167	375.744	355.167	20.577	-450.000	-29.009	-24.596	-24.596
25-Aug-14	1071.472	863.114	346.905	375.744	346.905	28.839	-450.000	-29.009	-23.726	-23.726
26-Aug-14	1071.472	863.114	380.392	384.214	380.392	3.822	-450.000	-29.009	-24.670	-24.670
27-Aug-14	1071.472	863.114	446.345	413.351	446.345	-32.994	-450.000	-29.009	-8.490	-8.490
28-Aug-14	1071.472	863.114	432.824	472.366	432.824	39.542	-450.000	-29.009	-23.313	-23.313
29-Aug-14	1071.472	863.114	411.292	464.623	411.292	53.330	-450.000	-29.009	-7.194	-7.194
30-Aug-14	1071.472	863.114	421.716	456.964	421.716	35.249	-450.000	-29.009	-7.146	-7.146
31-Aug-14	1071.472	863.114	415.287	439.519	415.287	24.232	-450.000	-29.009	-7.124	-7.124
1-Sep-14	1071.472	863.114	473.880	443.886	473.880	-29.994	-450.000	-38.401	-28.885	-28.885
2-Sep-14	1071.472	863.114	490.053	485.240	490.053	-4.813	-450.000	-38.401	-29.112	-29.112
3-Sep-14	1071.472	863.114	531.028	515.115	531.028	-15.913	-450.000	-38.401	-12.692	-12.692
4-Sep-14	1071.472	863.114	522.263	584.119	522.263	61.856	-450.000	-83.721	-58.059	-58.059
5-Sep-14	1071.472	863.114	506.481	618.270	506.481	111.789	-450.000	-83.721	-57.994	-57.994
6-Sep-14	1071.472	863.114	560.196	590.205	560.196	30.009	-450.000	-83.721	-72.010	-72.010
7-Sep-14	1071.472	863.114	617.526	642.139	617.526	24.614	-450.000	-83.721	-71.969	-71.969
8-Sep-14	1071.472	863.114	580.430	693.316	580.430	112.886	-450.000	-83.721	-72.055	-72.055
9-Sep-14	1071.472	863.114	548.289	630.196	548.289	81.907	-450.000	-83.721	-57.804	-57.804
10-Sep-14	1071.472	863.114	542.501	620.041	542.501	77.540	-450.000	-83.721	-57.897	-57.897
11-Sep-14	1071.472	863.114	525.463	612.109	525.463	86.647	-450.000	-83.721	-57.820	-57.820
12-Sep-14	1071.472	863.114	520.704	703.462	520.704	182.758	-450.000	-83.721	-57.931	-57.931
13-Sep-14	1071.472	863.114	475.833	581.351	475.833	105.518	-450.000	-83.721	-55.732	-55.732
14-Sep-14	1071.472	863.114	537.183	582.173	537.183	44.990	-450.000	-83.721	-69.844	-69.844
15-Sep-14	1071.472	863.114	502.990	582.088	502.990	79.098	-450.000	-83.721	-57.681	-57.681
16-Sep-14	1071.472	863.114	506.503	568.440	506.503	61.937	-450.000	-83.721	-57.719	-57.719
17-Sep-14	1071.472	863.114	491.984	569.664	491.984	77.680	-450.000	-83.721	-68.164	-68.164
18-Sep-14	1071.472	863.114	507.680	583.937	507.680	76.257	-450.000	-83.721	-68.572	-68.572
19-Sep-14	1071.472	863.114	507.071	584.446	507.071	77.375	-450.000	-83.721	-62.296	-62.296
20-Sep-14	1071.472	863.114	506.148	585.760	506.148	79.612	-450.000	-83.721	-62.441	-62.441

21-Sep-14	1071.472	863.114	524.372	587.187	524.372	62.815	-450.000	-83.721	-79.847	-79.847
22-Sep-14	1071.472	863.114	508.517	604.903	508.517	96.387	-450.000	-83.721	-78.904	-78.904
23-Sep-14	1071.472	863.114	482.479	588.733	482.479	106.255	-450.000	-83.721	-58.832	-58.832
24-Sep-14	1071.472	863.114	490.783	561.266	490.783	70.482	-450.000	-83.721	-62.469	-62.469
25-Sep-14	1071.472	863.114	480.870	564.027	480.870	83.158	-450.000	-83.721	-62.309	-62.309
26-Sep-14	1071.472	863.114	487.682	561.798	487.682	74.116	-450.000	-83.721	-60.536	-60.536
27-Sep-14	1071.472	863.114	503.938	563.738	503.938	59.800	-450.000	-83.721	-59.480	-59.480
28-Sep-14	1071.472	863.114	531.789	585.513	531.789	53.725	-450.000	-83.721	-65.231	-65.231
29-Sep-14	1071.472	863.114	509.956	580.474	509.956	70.519	-450.000	-83.721	-65.104	-65.104
30-Sep-14	1071.472	863.114	473.391	579.346	473.391	105.955	-450.000	-83.721	-62.937	-62.937
1-Oct-14	1071.472	863.114	518.576	616.642	518.576	98.066	-450.000	-136.220	-42.133	-42.133
2-Oct-14	1071.472	863.114	541.932	673.065	541.932	131.134	-450.000	-138.740	-124.968	-124.968
3-Oct-14	1071.472	863.114	535.361	620.555	535.361	85.194	-450.000	-138.740	-113.184	-113.184
4-Oct-14	1071.472	863.114	542.521	652.418	542.521	109.897	-450.000	-139.311	-139.302	-139.302
5-Oct-14	1071.472	863.114	535.970	661.311	535.970	125.341	-450.000	-140.151	-118.645	-118.645
6-Oct-14	1071.472	863.114	517.211	646.515	517.211	129.304	-450.000	-140.151	-131.634	-131.634
7-Oct-14	1071.472	863.114	462.844	654.720	462.844	191.876	-450.000	-138.740	-113.379	-113.379
8-Oct-14	1071.472	863.114	406.819	609.976	406.819	203.156	-450.000	-139.100	-139.910	-139.910
9-Oct-14	1071.472	863.114	407.345	603.181	407.345	195.836	-450.000	-139.100	-139.745	-139.745
10-Oct-14	1071.472	863.114	407.823	598.463	407.823	190.640	-450.000	-139.940	-140.421	-140.421
11-Oct-14	1071.472	863.114	454.674	596.890	454.674	142.216	-450.000	-140.060	-92.692	-92.692
12-Oct-14	1071.472	863.114	458.399	608.314	458.399	149.915	-450.000	-140.511	-151.763	-151.763
13-Oct-14	1071.472	863.114	455.062	610.430	455.062	155.369	-450.000	-140.511	-160.093	-160.093
14-Oct-14	1071.472	863.114	482.438	598.579	482.438	116.141	-450.000	-139.940	-137.391	-137.391
15-Oct-14	1071.472	863.114	526.356	664.732	526.356	138.376	-450.000	-139.940	-136.873	-136.873
16-Oct-14	1071.472	863.114	525.551	664.732	525.551	139.181	-450.000	-140.060	-137.482	-137.482
17-Oct-14	1071.472	863.114	520.867	680.572	520.867	159.705	-450.000	-140.060	-136.549	-136.549
18-Oct-14	1071.472	863.114	490.330	678.672	490.330	188.342	-450.000	-140.060	-135.528	-135.528
19-Oct-14	1071.472	863.114	476.142	637.463	476.142	161.321	-450.000	-166.556	-148.198	-148.198
20-Oct-14	1071.472	863.114	482.417	671.488	482.417	189.072	-450.000	-166.556	-155.953	-155.953
21-Oct-14	1071.472	863.114	526.757	652.452	526.757	125.695	-450.000	-139.940	-137.756	-137.756
22-Oct-14	1071.472	863.114	520.073	652.440	520.073	132.367	-450.000	-140.012	-140.190	-140.190
23-Oct-14	1071.472	863.114	519.372	688.605	519.372	169.233	-450.000	-140.012	-137.858	-137.858
24-Oct-14	1071.472	863.114	483.616	684.380	483.616	200.764	-450.000	-140.012	-113.509	-113.509
25-Oct-14	1071.472	863.114	456.683	631.663	456.683	174.980	-450.000	-145.665	-157.775	-157.775
26-Oct-14	1071.472	863.114	462.810	669.943	462.810	207.134	-450.000	-181.772	-176.991	-176.991
27-Oct-14	1071.472	863.114	484.783	655.671	484.783	170.887	-450.000	-172.364	-154.012	-154.012
28-Oct-14	1071.472	863.114	487.640	655.502	487.640	167.862	-450.000	-140.036	-115.793	-115.793
29-Oct-14	1071.472	863.114	465.012	676.871	465.012	211.859	-450.000	-142.484	-146.325	-146.325
30-Oct-14	1071.472	863.114	433.547	678.874	433.547	245.328	-450.000	-140.084	-141.271	-141.271
31-Oct-14	1071.472	863.114	441.802	655.173	441.802	213.371	-450.000	-140.324	-150.890	-150.890

1-Nov-14	1071.472	863.114	275.101	604.027	275.101	328.926	-450.000	-146.162	-149.604	-149.604
2-Nov-14	1071.472	863.114	294.113	493.090	294.113	198.976	-450.000	-181.544	-208.803	-208.803
3-Nov-14	1071.472	863.114	357.450	509.370	357.450	151.920	-450.000	-176.816	-166.908	-166.908
4-Nov-14	1071.472	863.114	444.792	548.297	444.792	103.506	-450.000	-146.162	-151.023	-151.023
5-Nov-14	1071.472	863.114	480.213	650.319	480.213	170.106	-450.000	-146.162	-148.368	-148.368
6-Nov-14	1071.472	863.114	481.407	628.445	481.407	147.038	-450.000	-146.162	-148.284	-148.284
7-Nov-14	1071.472	863.114	458.790	632.493	458.790	173.703	-450.000	-146.162	-150.547	-150.547
8-Nov-14	1071.472	863.114	481.495	616.735	481.495	135.241	-450.000	-146.162	-122.485	-122.485
9-Nov-14	1071.472	863.114	463.121	653.100	463.121	189.978	-450.000	-173.960	-164.357	-164.357
10-Nov-14	1071.472	863.114	474.909	618.394	474.909	143.485	-450.000	-173.960	-164.430	-164.430
11-Nov-14	1071.472	863.114	459.069	618.361	459.069	159.292	-450.000	-146.162	-122.666	-122.666
12-Nov-14	1071.472	863.114	466.108	617.244	466.108	151.137	-450.000	-146.162	-148.154	-148.154
13-Nov-14	1071.472	863.114	478.766	617.164	478.766	138.398	-450.000	-146.162	-149.869	-149.869
14-Nov-14	1071.472	863.114	462.485	618.037	462.485	155.552	-450.000	-146.162	-147.169	-147.169
15-Nov-14	1071.472	863.114	451.176	618.270	451.176	167.094	-450.000	-146.162	-146.483	-146.483
16-Nov-14	1071.472	863.114	450.428	619.614	450.428	169.185	-450.000	-187.214	-163.702	-163.702
17-Nov-14	1071.472	863.114	461.408	616.776	461.408	155.368	-450.000	-198.398	-173.270	-173.270
18-Nov-14	1071.472	863.114	418.824	587.457	418.824	168.633	-450.000	-146.162	-131.616	-131.616
19-Nov-14	1071.472	863.114	429.073	615.960	429.073	186.887	-450.000	-174.200	-150.434	-150.434
20-Nov-14	1071.472	863.114	444.235	590.077	444.235	145.842	-450.000	-173.960	-160.212	-160.212
21-Nov-14	1071.472	863.114	431.994	606.266	431.994	174.272	-450.000	-173.960	-149.959	-149.959
22-Nov-14	1071.472	863.114	438.264	602.681	438.264	164.417	-450.000	-173.960	-146.659	-146.659
23-Nov-14	1071.472	863.114	439.245	602.922	439.245	163.677	-450.000	-188.840	-163.274	-163.274
24-Nov-14	1071.472	863.114	447.362	605.878	447.362	158.516	-450.000	-188.840	-149.915	-149.915
25-Nov-14	1071.472	863.114	439.184	606.581	439.184	167.397	-450.000	-173.960	-130.751	-130.751
26-Nov-14	1071.472	863.114	442.147	602.557	442.147	160.410	-450.000	-146.162	-120.907	-120.907
27-Nov-14	1071.472	863.114	414.555	602.329	414.555	187.774	-450.000	-173.954	-120.992	-120.992
28-Nov-14	1071.472	863.114	430.338	602.216	430.338	171.877	-450.000	-173.954	-121.160	-121.160
29-Nov-14	1071.472	863.114	431.196	601.290	431.196	170.094	-450.000	-173.954	-151.930	-151.930
30-Nov-14	1071.472	863.114	430.981	606.701	430.981	175.720	-450.000	-185.579	-155.444	-155.444
1-Dec-14	1071.472	863.114	511.929	605.358	511.929	93.429	-450.000	-146.162	-122.621	-122.621
2-Dec-14	1071.472	863.114	563.126	641.170	563.126	78.044	-450.000	-139.362	-65.188	-65.188
3-Dec-14	1071.472	863.114	502.520	642.712	502.520	140.192	-450.000	-139.362	-121.715	-121.715
4-Dec-14	1071.472	863.114	509.160	648.430	509.160	139.269	-450.000	-139.362	-121.631	-121.631
5-Dec-14	1071.472	863.114	577.410	648.990	577.410	71.580	-450.000	-139.362	-110.385	-110.385
6-Dec-14	1071.472	863.114	549.014	650.241	549.014	101.227	-450.000	-139.362	-89.814	-89.814
7-Dec-14	1071.472	863.114	542.304	679.339	542.304	137.035	-450.000	-146.789	-129.381	-129.381
8-Dec-14	1071.472	863.114	542.442	679.216	542.442	136.775	-450.000	-147.711	-122.897	-122.897
9-Dec-14	1071.472	863.114	538.956	678.141	538.956	139.184	-450.000	-140.284	-122.080	-122.080
10-Dec-14	1071.472	863.114	545.363	678.221	545.363	132.858	-450.000	-139.362	-122.061	-122.061
11-Dec-14	1071.472	863.114	582.781	678.238	582.781	95.457	-450.000	-139.362	-95.472	-95.472

12-Dec-14	1071.472	863.114	580.316	715.473	580.316	135.157	-450.000	-139.362	-121.787	-121.787
13-Dec-14	1071.472	863.114	588.051	715.473	588.051	127.422	-450.000	-139.362	-121.787	-121.787
14-Dec-14	1071.472	863.114	585.751	715.473	585.751	129.721	-450.000	-143.478	-130.956	-130.956
15-Dec-14	1071.472	863.114	584.578	715.473	584.578	130.895	-450.000	-141.558	-134.367	-134.367
16-Dec-14	1071.472	863.114	588.932	715.473	588.932	126.540	-450.000	-141.558	-89.596	-89.596
17-Dec-14	1071.472	863.114	599.148	715.473	599.148	116.325	-450.000	-141.558	-126.877	-126.877
18-Dec-14	1071.472	863.114	588.645	725.469	588.645	136.824	-450.000	-141.558	-86.330	-86.330
19-Dec-14	1071.472	863.114	596.703	715.473	596.703	118.770	-450.000	-141.558	-115.357	-115.357
20-Dec-14	1071.472	863.114	585.527	715.473	585.527	129.946	-450.000	-141.558	-115.119	-115.119
21-Dec-14	1071.472	863.114	591.533	715.473	591.533	123.940	-450.000	-139.369	-130.040	-130.040
22-Dec-14	1071.472	863.114	585.291	715.473	585.291	130.182	-450.000	-139.369	-130.567	-130.567
23-Dec-14	1071.472	863.114	585.396	715.473	585.396	130.077	-450.000	-139.362	-93.618	-93.618
24-Dec-14	1071.472	863.114	586.008	715.473	586.008	129.465	-450.000	-139.362	-102.993	-102.993
25-Dec-14	1071.472	863.114	587.039	715.473	587.039	128.434	-450.000	-139.362	-135.180	-135.180
26-Dec-14	1071.472	863.114	579.482	715.473	579.482	135.990	-450.000	-139.362	-114.490	-114.490
27-Dec-14	1071.472	863.114	577.284	715.473	577.284	138.188	-450.000	-139.362	-114.696	-114.696
28-Dec-14	1071.472	863.114	576.813	715.473	576.813	138.660	-450.000	-139.362	-124.907	-124.907
29-Dec-14	1071.472	863.114	574.875	715.473	574.875	140.598	-450.000	-142.674	-124.726	-124.726
30-Dec-14	1071.472	863.114	575.430	715.473	575.430	140.043	-450.000	-143.082	-121.743	-121.743
31-Dec-14	1071.472	863.114	577.977	715.473	577.977	137.496	-450.000	-139.362	-131.834	-131.834

Figure 125, Page 261: Ukraine gas monthly imports during 2014 and yearly comparative with 2013 (bcm/month, bcm/year)

Source: ENTSOG TP, Ukrtransgaz, IEA, ICIS Heren.

	2013	2014	2013 (%)	2014 (%)
Russian imports	26.0	14.5	53.6%	36.2%
Ukrainian domestic production/storage withdrawals	20.4	20.4	42.1%	50.9%
Slovak imports	0.0	3.6	0.0%	9.0%
Polish imports	1.0	0.9	2.0%	2.3%
Hungarian imports	1.1	0.6	2.3%	1.5%

	Russian imports	Slovak imports	Polish imports	Hungarian imports
Jan	2.410	0.000	0.000	0.000
Feb	1.750	0.000	0.000	0.000
Mar	1.920	0.000	0.000	0.000
Apr	2.570	0.000	0.068	0.000
May	3.550	0.000	0.132	0.051
Jun	1.710	0.000	0.120	0.226
Jul	0.000	0.000	0.124	0.109
Aug	0.000	0.000	0.133	0.138
Sep	0.000	0.810	0.122	0.096
Oct	0.000	0.850	0.087	0.000
Nov	0.000	0.920	0.065	0.000
Dec	0.500	0.970	0.067	0.000
total	14.410	3.550	0.918	0.620

Figure 126, Page 263: Estimated monthly Ukrainian gas import prices during 2014 to June 2015 (euros/MWh)
Source: volumes from ENTSOG TP, Ukrtransgaz and IEA data. Import prices: ACER estimates based on Naftogaz (since July 2014), EnergyPost.eu and ICIS Heren data.

Imports into Ukraine bcm/month	Russian import volumes bcm/month	EU import volumes bcm/month
Jan-14	2.41	0.00
Feb-14	1.75	0.00
Mar-14	1.92	0.00
Apr-14	2.57	0.07
May-14	3.55	0.18
Jun-14	1.71	0.35
Jul-14	0.00	0.23
Aug-14	0.00	0.27
Sep-14	0.00	1.03
Oct-14	0.00	0.94
Nov-14	0.00	0.98
Dec-14	0.50	1.04
Jan-15	0.92	1.13
Feb-15	0.93	1.26
Mar-15	0.30	1.43
Apr-15	0.29	1.16
May-15	0.71	0.74
Jun-15	0.51	0.78

Prices in euros/MWh	Russian import prices euros/MWh	EU import prices declared by Naftogaz- euros/MWh	VTP hub (AT) MA price + transmission charges - euros/MWh
Jan-14	17.77	N/A	26.72
Feb-14	17.71	N/A	24.48
Mar-14	17.50	N/A	23.83
Apr-14	29.35	N/A	21.72
May-14	29.52	N/A	20.91
Jun-14	29.83	N/A	18.52
Jul-14	29.94	23.49	17.66
Aug-14	30.44	23.88	19.43
Sep-14	31.42	24.65	23.66
Oct-14	26.87	25.24	24.37
Nov-14	27.30	25.64	24.38
Dec-14	27.62	25.79	23.56
Jan-15	26.20	23.33	20.74
Feb-15	26.83	23.89	23.09
Mar-15	28.10	25.02	22.25
Apr-15	21.34	22.97	21.95
May-15	20.56	22.12	21.14
Jun-15	20.63	22.20	21.13

Figure 127, Page 266: EU gas demand versus gas storage withdrawals and gas storage stock levels – 2010 to 2015 (GWh)

Source: Eurostat, and Gas Infrastructure Europe.

	Demand (GWh)	Storage withdrawal (GWh)	Storage % full
Apr-10	427,459	9,637	39.51
May-10	395,132	5,801	47.01
Jun-10	313,507	2,333	57.58
Jul-10	301,074	1,315	69.34
Aug-10	270,382	2,285	80.78
Sep-10	340,393	5,075	88.04
Oct-10	444,696	18,217	92.57
Nov-10	549,666	49,471	92.07
Dec-10	742,251	156,035	75.17
Jan-11	708,762	105,769	59.75
Feb-11	607,515	87,855	47.86
Mar-11	558,163	50,327	38.53
Apr-11	367,161	3,072	43.42
May-11	336,324	2,654	54.28
Jun-11	295,456	1,036	65.31
Jul-11	284,042	711	75.24
Aug-11	263,801	2,724	84.83
Sep-11	294,349	3,703	92.17
Oct-11	381,076	6,335	95.02
Nov-11	491,844	42,836	94.03
Dec-11	563,059	89,399	84.90
Jan-12	607,431	102,336	72.86
Feb-12	662,696	173,402	51.38
Mar-12	453,988	34,514	42.39
Apr-12	404,876	17,407	43.09
May-12	305,917	3,214	49.63
Jun-12	268,311	2,109	59.96
Jul-12	263,128	1,782	68.74
Aug-12	243,802	1,590	78.74
Sep-12	285,106	6,780	85.92
Oct-12	380,310	13,606	89.83
Nov-12	473,772	53,878	87.47
Dec-12	591,806	104,800	76.75
Jan-13	642,802	142,293	64.31
Feb-13	590,731	143,218	47.01
Mar-13	608,419	123,692	31.03
Apr-13	405,879	34,458	22.50
May-13	312,940	6,547	29.25
Jun-13	264,175	2,533	38.99
Jul-13	252,935	5,726	51.44
Aug-13	244,182	4,568	64.64
Sep-13	293,601	4,215	74.78
Oct-13	332,756	5,881	81.26
Nov-13	477,829	60,588	82.54

Dec-13	562,678	93,114	72.02
Jan-14	557,546	95,333	64.04
Feb-14	474,338	84,391	51.87
Mar-14	427,863	43,810	45.81
Apr-14	306,894	5,128	47.61
May-14	297,586	3,177	55.74
Jun-14	251,968	4,064	65.59
Jul-14	267,529	3,705	74.71
Aug-14	242,985	4,727	84.04
Sep-14	273,496	8,282	89.58
Oct-14	344,486	14,415	93.32
Nov-14	462,488	54,632	92.17
Dec-14	551,904	121,961	81.97
Jan-15	594,939	192,228	66.39
Feb-15	550,853	205,796	45.16
Mar-15	488,914	106,718	30.17

Figure 128, Page 267: Storage withdrawals as % of domestic winter demand among EU MSs
Source: Eurostat and Gas Infrastructure Europe.

	Storage % of demand 13/14	Storage % of demand 14/15
Slovakia	40.42%	73.21%
Austria	29.55%	74.35%
Czech Republic	33.95%	51.35%
Hungary	30.90%	44.11%
Denmark	19.70%	39.11%
France	28.18%	32.86%
Germany	17.95%	28.65%
Netherlands		27.52%
Italy	18.05%	25.51%
Bulgaria	9.99%	16.98%
Croatia	0.00%	16.38%
Poland	6.60%	14.62%
United Kingdom	8.53%	9.46%
Belgium	3.62%	6.27%
Spain	3.18%	4.33%
Portugal	6.63%	3.16%

Figure 129, Page 268: EU storage withdrawals and average seasonal day-ahead prices for the main hubs in Europe – 2010 to 2015 (GWh and euros/MWh)

Source: Platts (2015) and Gas Infrastructure Europe.

	Main EU hubs average day ahead price (euros/MWh)	EU storage withdrawals
Summer 10	18.59	26,447
Winter 10/11	22.31	467,674
Summer 11	23.25	13,901
Winter 11/12	24.90	448,821
Summer 12	25.17	32,883
Winter 12/13	27.77	581,488
Summer 13	26.88	58,048
Winter 13/14	25.99	383,117
Summer 14	19.10	29,083
Winter 14/15	22.54	695,750

Figure 130, Page 269: EU aggregate summer gas storage injections and average season +2/season +1 winter/summer price spread (GWh and euros/MWh)

Source: Platts (2015) and Gas Infrastructure Europe.

	EU storage summer injection	Selected EU hubs season +2 season +1 winter summer average spread
2010	408661	4.48
2011	445244	2.93
2012	399383	4.77
2013	495860	2.28
2014	455558	2.62

Figure 131, Page 270: Aggregate transmission tariffs levied at gas storage points among EU MSs where storage transmission charges are applied (euros/MWh)

Source: TSOs and NRAs.

Member State	Lowest combined tariff	Highest combined tariff
Germany	0.0427	0.6833
Belgium		0.6738
Poland		0.4847
Netherlands	0.2200	0.2613
Hungary		0.4072
Slovakia		0.2692
Italy		0.2441
Czech Republic		0.1958
Ireland		0.1809
France	0.1092	0.0506
UK	0.0608	0.0730
Austria		0.0411
Croatia		0.0217
Portugal		0.0176
Average		0.2998

Figure A-1, Page 274: Energy household consumption as a percentage of total consumption across Europe – 2014 (%)

Source: Eurostat (15/9/2015) and ACER calculations.

	Sum of HH 2013 percentage
UK	76%
ele	36%
UK - 337.2 TWh	36%
gas	41%
UK - 775.2 TWh	41%
FR	71%
ele	38%
FR - 458.7 TWh	38%
gas	33%
FR - 421.2 TWh	33%
HU	63%
ele	30%
HU - 40.4 TWh	30%
gas	33%
HU - 90.2 TWh	33%
HR	63%
ele	41%
HR - 17.0 TWh	41%
gas	21%
HR - 24.6 TWh	21%
DE	57%
ele	26%
DE - 450.2 TWh	26%
gas	31%
DE - 845.1 TWh	31%
EU28	57%
ele	28%
EU28 - 2870.2 TWh	28%
gas	29%
EU28 - 4457.3 TWh	29%
CZ	55%
ele	26%
CZ - 62.2 TWh	26%
gas	29%
CZ - 79.8 TWh	29%
IT	55%
ele	23%

IT - 309.0 TWh	23%
gas	31%
IT - 655.2 TWh	31%
RO	54%
ele	29%
RO - 49.2 TWh	29%
gas	25%
RO - 124.9 TWh	25%
DK	52%
ele	33%
DK - 31.6 TWh	33%
gas	19%
DK - 35.9 TWh	19%
BE	50%
ele	24%
BE - 83.6 TWh	24%
gas	26%
BE - 160.7 TWh	26%
IE	48%
ele	33%
IE - 25.9 TWh	33%
gas	16%
IE - 50.2 TWh	16%
PL	48%
ele	23%
PL - 145.4 TWh	23%
gas	25%
PL - 173.6 TWh	25%
NL	48%
ele	24%
NL - 111.9 TWh	24%
gas	24%
NL - 375.8 TWh	24%
AT	46%
ele	28%
AT - 67.0 TWh	28%
gas	18%
AT - 82.4 TWh	18%
ES	43%
ele	31%
ES - 248.5 TWh	31%
gas	12%
ES - 305.8 TWh	12%
SK	43%
ele	20%
SK - 25.2 TWh	20%
gas	24%

SK - 41.1 TWh	24%
GR	43%
ele	36%
GR - 55.7 TWh	36%
gas	7%
GR - 32.0 TWh	7%
SI	42%
ele	26%
SI - 13.2 TWh	26%
gas	17%
SI - 8.1 TWh	17%
BG	40%
ele	38%
BG - 32.7 TWh	38%
gas	2%
BG - 29.5 TWh	2%
EE	37%
ele	27%
EE - 8.4 TWh	27%
gas	9%
EE - 5.6 TWh	9%
CY	37%
ele	37%
CY - 4.1 TWh	37%
LV	36%
ele	27%
LV - 7.2 TWh	27%
gas	8%
LV - 14.0 TWh	8%
LT	35%
ele	29%
LT - 10.5 TWh	29%
gas	6%
LT - 26.6 TWh	6%
LU	34%
ele	14%
LU - 6.2 TWh	14%
gas	20%
LU - 10.9 TWh	20%
SE	34%
ele	31%
SE - 135.1 TWh	31%
gas	3%
SE - 10.3 TWh	3%
NO	34%
ele	34%
NO - 124.6 TWh	34%

PT	34%
ele	27%
PT - 48.8 TWh	27%
gas	7%
PT - 42.6 TWh	7%
MT	32%
ele	32%
MT - 2.1 TWh	32%
FI	28%
ele	27%
FI - 83.3 TWh	27%
gas	1%
FI - 32.1 TWh	1%

Figure A-2, Page 274: Annual and average annual electricity household consumption in Europe – 2014 (TWh)
Source: Eurostat (15/9/2015) and CEER Database (2014).

		Number of households (in mio)	HH consumption (TWh)	Typical annual consumption (in 000 kWh)
AT	Austria	4	13	2.99
BE	Belgium	4	16	3.66
BG	Bulgaria	4	11	2.48
HR	Croatia	2	6	2.80
CY	Cyprus	0	1	3.24
CZ	Czech Republic	5	14	2.86
DK	Denmark	3	8	3.00
EE	Estonia	1	2	3.50
FI	Finland	3	23	2.00
FR	France	31	145	2.40
DE	Germany	47	120	2.72
GB	Great Britain	28	107	3.20
GR	Greece	6	17	3.60
HU	Hungary	5	10	2.50
IE	Ireland	2	8	4.08
IT	Italy	30	57	1.95
LV	Latvia	1	2	1.73
LT	Lithuania	2	3	1.64
LU	Luxembourg	0	1	4.00
MT	Malta	0	1	2.65
NL	Netherlands	7	26	3.33
NO	Norway	3	39	16.00
PO	Poland	15	31	2.03
PT	Portugal	6	18	3.00
RO	Romania	9	12	1.36
SK	Slovakia	2	5	2.28
SI	Slovenia	1	3	3.34
ES	Spain	28	72	2.41
SE	Sweden	5	92	20.00

Figure A-3, Page 275: POTP electricity break-down – incumbents' standard offers for households in capital cities – 2012-2014 (euro)

Source: ACER Retail Database and information from NRAs (2014).

	Energy component	Network component	Taxes	RES
AT	895.3	604.8	658.9	175.2
2012	316.2	191.0	218.0	41.1
2013	305.2	203.0	222.1	59.1
2014	273.9	210.8	218.8	75.0
BE	1001.5	840.8	745.4	69.8
2012	370.6	277.0	293.5	18.6
2013	325.0	279.8	283.1	21.9
2014	306.0	284.0	168.8	29.2
BG	469.3	186.7	182.2	115.4
2012	121.0	43.7	54.0	38.6
2013	167.0	88.2	73.4	38.4
2014	181.3	54.8	54.9	38.4
CY	1939.0	530.4	463.8	59.5
2012	784.6	176.4	172.2	19.5
2013	604.0	176.4	146.8	20.0
2014	550.4	177.6	144.8	20.0
CZ	711.4	513.8	368.1	223.9
2012	270.4	170.1	135.6	66.7
2013	233.8	167.0	131.8	85.3
2014	207.2	176.7	100.7	72.0
DE	1146.9	740.7	1102.8	604.8
2012	435.3	221.1	370.4	144.0
2013	362.8	260.8	369.6	211.2
2014	348.8	258.8	362.8	249.6
DK	608.0	644.0	2040.0	308.0
2012	220.0	200.0	668.0	88.0
2013	196.0	220.0	676.0	96.0
2014	192.0	224.0	696.0	124.0
EE	531.2	644.8	326.3	103.1
2012	126.0	207.6	98.4	37.5
2013	198.8	221.2	115.9	34.8
2014	206.4	216.0	112.1	30.8
ES	1018.0	1072.4	567.0	0.0
2012	323.9	364.4	186.5	0.0
2013	324.6	364.4	187.3	0.0
2014	369.4	343.5	193.2	0.0
FI	709.6	490.1	545.3	22.9
2012	244.0	170.4	179.1	6.0
2013	238.8	162.9	177.7	8.0
2014	226.8	156.8	188.6	8.9
FR	690.8	558.0	482.9	121.2
2012	211.0	186.0	167.0	23.5
2013	234.8	185.0	163.9	31.8
2014	245.0	187.0	152.0	66.0

GB	1299.2	520.6	145.0	215.5
2012	457.4	175.1	76.8	38.7
2013	398.8	160.6	32.2	84.4
2014	443.0	184.9	36.0	92.4
GR	1096.0	340.0	354.6	226.3
2012	330.0	117.0	109.0	37.9
2013	383.0	109.0	121.0	83.2
2014	383.0	114.0	124.6	105.2
HR	502.4	356.0	223.5	36.9
2013	262.0	180.8	115.0	18.6
2014	240.4	175.2	108.5	18.3
HU	692.4	610.5	374.1	13.5
2012	272.0	231.8	158.3	13.5
2013	225.8	192.7	113.0	0.0
2014	194.5	186.1	102.8	0.0
IE	1614.0	778.2	401.0	50.3
2012	537.9	252.6	130.8	11.2
2013	552.7	262.4	112.4	17.6
2014	523.5	263.2	157.8	21.5
IT	1221.8	521.7	583.0	506.2
2012	440.7	168.0	181.0	151.1
2013	402.7	175.6	184.9	175.0
2014	378.4	178.1	217.1	180.2
LT	583.1	672.8	261.0	64.4
2012	190.0	214.0	84.0	16.0
2013	192.0	247.0	85.0	23.0
2014	201.1	211.8	92.0	25.4
LU	881.0	889.0	129.2	174.6
2012	297.0	300.0	43.0	49.0
2013	292.0	294.0	42.0	46.0
2014	292.0	295.0	44.2	79.6
LV	588.6	676.2	354.4	198.7
2012	212.1	224.2	103.0	66.7
2013	208.8	226.0	105.2	66.0
2014	167.6	226.0	146.2	66.0
MT	1502.8	264.0	92.0	0.0
2012	558.0	88.0	34.0	0.0
2013	558.0	88.0	34.0	0.0
2014	386.8	88.0	24.0	0.0
NL	922.3	617.8	846.3	13.6
2012	311.0	202.1	261.4	0.0
2013	313.0	213.0	289.7	4.4
2014	298.3	202.6	295.1	9.2
NO	431.7	819.0	524.6	18.9
2012	170.0	280.0	182.0	5.9
2013	142.5	282.0	178.0	5.9
2014	119.2	257.0	164.6	7.1
PL	727.4	489.4	359.9	76.6
2012	244.6	161.3	119.5	27.1
2013	232.5	160.4	119.5	24.5
2014	250.3	167.7	120.9	25.0
PT	905.1	940.0	580.3	240.2
2012	308.9	324.0	189.6	45.4
2013	304.6	343.0	192.3	42.6
2014	291.6	273.0	198.4	152.3

RO	450.3	586.3	341.3	58.2
2012	144.6	187.2	107.8	0.0
2013	147.4	200.0	122.0	30.5
2014	158.3	199.0	111.6	27.7
SE	540.8	739.7	816.7	44.2
2012	167.7	241.5	274.0	16.6
2013	203.4	252.6	279.4	12.2
2014	169.7	245.6	263.3	15.3
SI	766.4	618.7	371.4	105.3
2012	271.7	203.6	107.6	20.5
2013	239.1	202.2	132.1	35.3
2014	255.6	213.0	131.7	49.4
SK	708.6	529.6	335.5	214.2
2012	260.0	178.0	115.0	62.8
2013	238.8	180.8	111.6	64.1
2014	209.8	170.8	108.9	87.3

Figure A-4, Page 275: POTP gas break-down – incumbents' standard offers for households in capital cities – 2012-2014 (euro)

Source: ACER Retail Database and information from NRAs (2014).

	Energy component	Network component	Taxes
AT	1673.3	828.5	996.4
2013	551.0	281.0	332.5
2014	551.4	290.0	334.6
2012	570.9	257.5	329.3
BE	1772.8	717.2	688.3
2012	708.9	246.8	238.9
2013	529.8	237.8	233.8
2014	534.0	232.6	215.6
BG	1599.1	647.0	449.2
2012	534.5	217.1	150.3
2013	560.8	217.6	155.7
2014	503.8	212.3	143.2
CZ	1609.3	373.7	432.8
2012	557.6	128.9	159.1
2013	507.6	124.8	134.2
2014	544.2	120.0	139.5
DE	1799.0	599.2	818.1
2012	666.5	197.2	267.6
2013	562.5	190.5	252.0
2014	570.0	211.5	298.5
DK	1332.0	345.0	2323.0
2012	491.0	152.0	733.0
2013	452.0	95.0	797.0
2014	389.0	98.0	793.0
EE	1546.1	426.0	678.1
2012	535.1	229.4	274.6
2013	507.7	141.5	251.6
2014	503.3	55.2	151.9
ES	1404.6	1220.3	636.2
2012	486.8	410.7	188.5
2013	453.8	411.0	224.1
2014	464.0	398.6	223.6
FI	1748.7	1163.7	1402.5
2012	657.0	402.0	441.0
2013	536.2	380.9	523.6
2014	555.5	380.9	438.0
FR	1700.1	953.9	577.0
2012	608.7	277.6	178.6
2013	565.1	319.8	181.3
2014	526.4	356.5	217.2
GB	1810.0	536.2	245.8
2012	637.9	203.5	75.3
2013	622.4	157.1	87.5
2014	549.7	175.6	83.0

GR	2744.2	0.0	646.1
2012	1005.9	0.0	227.3
2013	869.4	0.0	208.9
2014	869.0	0.0	209.9
HR	1148.2	284.0	358.1
2013	613.0	189.1	200.5
2014	535.3	94.9	157.5
HU	1203.8	329.5	436.6
2012	423.0	147.0	166.0
2013	345.0	97.0	119.0
2014	435.8	85.5	151.6
IE	1641.4	981.0	542.9
2012	542.6	315.6	178.8
2013	547.8	327.5	181.1
2014	551.0	338.0	182.9
IT	1714.3	949.0	1425.9
2012	630.7	315.5	480.4
2013	558.9	325.1	477.3
2014	524.7	308.5	468.3
LT	1644.0	417.5	472.5
2012	654.2	127.6	177.5
2013	610.2	129.4	182.3
2014	379.6	160.5	112.7
LU	2032.2	545.4	206.3
2012	766.0	166.0	73.0
2013	684.0	177.0	69.0
2014	582.2	202.4	64.3
LV	1302.4	492.0	459.8
2012	437.5	165.3	153.5
2013	422.4	173.9	151.9
2014	442.6	152.9	154.4
NL	1693.5	426.1	1441.9
2012	597.3	139.5	457.3
2013	546.4	145.7	487.5
2014	549.9	140.9	497.2
PL	1274.6	675.2	448.5
2012	455.5	242.1	160.4
2013	379.7	237.5	141.9
2014	439.4	195.7	146.1
PT	1428.8	1583.1	960.9
2012	431.4	493.3	264.9
2013	478.8	529.6	308.2
2014	518.6	560.1	387.8
RO	621.6	470.1	259.9
2012	201.8	138.7	79.9
2013	215.0	157.0	89.0
2014	204.8	174.4	91.0
SE	1913.3	1193.7	2472.0
2012	640.1	373.3	837.8
2013	663.8	354.5	869.0
2014	609.4	466.0	765.2
SI	1532.7	756.2	755.7
2012	505.3	242.2	228.6
2013	497.4	247.7	250.4
2014	530.0	266.3	276.7

SK	1299.7	654.2	390.8
2012	439.6	210.2	130.0
2013	431.1	221.7	130.6
2014	429.0	222.3	130.3

Figure A-5, Page 276: Number of electricity and gas offers from price comparison tools in ACER database, capital cities – November-December 2013 and 2014 (offers)

Source: ACER Database (November-December 2013 and 2014) and ACER calculations.

Country	2013 offers	2014 offers	2013 G offers
DE	376	404	ele
FI	204	401	ele
SE	368	378	ele
PL	77	133	ele
NO	23	100	ele
NL	71	86	ele
DK	124	83	ele
CZ	61	69	ele
GB	20	69	ele
ES	32	54	ele
AT	40	53	ele
EE	14	40	ele
PT	11	34	ele
IT	29	23	ele
SK	19	23	ele
FR	22	22	ele
BE	17	19	ele
LU	16	18	ele
IE	10	9	ele
GR	4	7	ele
SI	36	5	ele
HR	7	4	ele
HU	4	4	ele
DE	278	290	gas
CZ	22	74	gas
NL	58	72	gas
DK	29	42	gas
GB	27	41	gas
AT	15	28	gas
ES	45	25	gas
IT	22	23	gas
FR	19	21	gas
SE	16	20	gas
SK	20	18	gas
PT	9	16	gas
BE	12	14	gas
SI	27	11	gas
LU	6	9	gas
IE	7	6	gas
HU	4	4	gas

Figure A-6, Page 277: Number of Slovenian electricity household and industrial consumers who have switched supplier – 2007-2014
Source: AGEN-RS and ACER calculations (May 2015).

	Households	Industry	Total
2007	94	3,601	3,695
2008	591	4,620	5,211
2009	8,722	4,027	12,749
2010	7,850	9,932	17,782
2011	33,518	5,617	39,135
2012	48,794	6,487	55,281
2013	32,068	14,998	47,066
2014	23,430	8,938	32,368

Figure A-7, Page 278: Type of energy pricing of gas-only offers in capital cities as a percentage of all offers, European capital cities – November-December 2014 (%)

Source: ACER Retail Database (November-December 2014) and ACER calculations.

Country	Fixed	Variable	Spot-based	Cannot say
IT (23)	74%	26%		
FR (21)	71%	29%		
DE (290)	64%	17%		20%
NL (72)	61%	39%		
DK (42)	60%	24%	17%	
SE (20)	55%	20%	20%	5%
GB (41)	54%	46%		
CZ (74)	38%	62%		
BE (15)	33%	67%		
AT (28)	32%	68%		
PT (16)	31%	69%		0%
ES (25)	16%	84%		
SK (18)	11%			89%
SI (11)	9%	91%		
LU (9)		100%		
BG (1)				100%
EE (1)				100%
FI (1)				100%
GR (1)				100%
HR (1)				100%
HU (4)				100%
IE (6)				100%
LT (1)				100%
LV (1)				100%
PL (1)				100%
RO (1)				100%

Figure A-8, Page 278: Average final offer price for electricity and gas per type of energy pricing – European capital cities – November-December 2014 (euro)

Source: ACER Database (November-December 2014) and ACER calculations.

Country	Fixed-priced	Variable-priced	Spot-based-priced
DK	€ 1,225	€ 1,246	€ 1,211
IT	€ 1,181	€ 1,144	€ -
DE	€ 1,019	€ 1,119	€ -
ES	€ 843	€ 896	€ -
BE	€ 800	€ 740	€ -
PT	€ 795	€ 863	€ -
AT	€ 776	€ 786	€ -
GR	€ 768	€ 707	€ -
NL	€ 764	€ 803	€ -
LU	€ 744	€ 734	€ -
SE	€ 729	€ -	€ 699
GB	€ 726	€ 790	€ -
FR	€ 644	€ 651	€ -
NO	€ 628	€ 601	€ 594
FI	€ 553	€ 596	€ 532
EE	€ 549	€ 525	€ -
PL	€ 542	€ 557	€ -
CZ	€ 538	€ 527	€ -
HR	€ 516	€ 545	€ -
SE	€ 1,937	€ 1,868	€ 1,923
DK	€ 1,733	€ 1,725	€ 1,720
IT	€ 1,316	€ 1,281	€ -
NL	€ 1,150	€ 1,178	€ -
ES	€ 1,143	€ 1,124	€ -
AT	€ 1,021	€ 1,078	€ -
SI	€ 1,029	€ 1,012	€ -
BE	€ 980	€ 930	€ -
DE	€ 904	€ 923	€ -
GB	€ 820	€ 886	€ -
CZ	€ 735	€ 745	€ -

Figure A-9, Page 279: Contract duration of electricity-only offers in capital cities as a percentage of all offers, European capital cities – November-December 2014 (%)

Source: ACER Retail Database (November-December 2014) and ACER calculations.

Country	less than 12 months	12= \leq 24	24= \leq 36	\geq 36	Not explicitly mentioned
HR (4)	0%	100%	0%	0%	0%
PT (34)	12%	88%	0%	0%	0%
FR (22)	0%	82%	18%	0%	0%
AT (53)	2%	75%	11%	2%	9%
IE (9)	0%	67%	0%	0%	33%
IT (23)	0%	61%	13%	0%	26%
DE (404)	27%	58%	11%	2%	2%
ES (54)	0%	48%	0%	0%	52%
GB (69)	0%	35%	16%	6%	43%
NL (86)	24%	30%	13%	29%	3%
EE (40)	5%	30%	3%	5%	58%
SE (378)	0%	29%	0%	29%	42%
GR (7)	0%	29%	0%	57%	14%
NO (100)	0%	23%	0%	5%	72%
PL (133)	1%	20%	20%	15%	44%
CZ (69)	0%	17%	10%	10%	62%
DK (83)	63%	12%	7%	2%	16%
FI (401)	16%	12%	20%	0%	51%
LU (18)	67%	0%	11%	0%	22%
BE (20)	0%	0%	0%	100%	0%
BG (1)	0%	0%	0%	0%	100%
HU (4)	0%	0%	0%	0%	100%
LT (1)	0%	0%	0%	0%	100%
LV (1)	0%	0%	0%	0%	100%
RO (1)	0%	0%	0%	0%	100%
SI (5)	0%	0%	0%	0%	100%
SK (23)	0%	0%	0%	0%	100%
CY (1)	0%	0%	0%	0%	100%
MT (1)	0%	0%	0%	0%	100%

Figure A-10, Page 279: Contract duration of gas-only offers in capital cities as a percentage of all offers, European capital cities – November-December 2014 (%)

Source: ACER Retail Database (November-December 2014) and ACER calculations.

Country	less than 12 months	12= \leq 24	24= \leq 36	\geq 36	Not explicitly mentioned
PT (10)	0%	100%	0%	0%	0%
IT (23)	9%	78%	13%	0%	0%
ES (25)	0%	72%	0%	0%	28%
IE (6)	33%	67%	0%	0%	0%
DE (290)	23%	56%	13%	4%	3%
FR (21)	0%	48%	29%	24%	0%
SE (20)	5%	30%	20%	10%	35%
NL (72)	31%	29%	11%	29%	0%
DK (31)	0%	26%	19%	6%	48%
AT (28)	7%	25%	21%	0%	46%
GB (41)	0%	24%	22%	7%	46%
CZ (74)	46%	23%	27%	4%	0%
SK (18)	0%	22%	6%	6%	67%
SI (11)	0%	9%	0%	0%	91%
BE (15)	0%	0%	0%	100%	0%
BG (1)	0%	0%	0%	0%	100%
EE (1)	0%	0%	0%	0%	100%
FI (1)	0%	0%	0%	0%	100%
GR (1)	0%	0%	0%	0%	100%
HR (1)	0%	0%	0%	0%	100%
HU (4)	0%	0%	0%	0%	100%
LT (1)	0%	0%	0%	0%	100%
LU (9)	0%	0%	0%	0%	100%
LV (1)	0%	0%	0%	0%	100%
PL (1)	0%	0%	0%	0%	100%
RO (1)	0%	0%	0%	0%	100%
Grand Total	23%	40%	14%	9%	14%

Figure A-11, Page 280: Share of dual-fuel offers in the total number of offers for a selection of capital cities where dual-fuel offers appear in price comparison tools – 2013 - 2014 (%)

Source: ACER Retail Database (November-December 2013 and 2014) and ACER calculations.

Country	% Ele only	% Gas only	% Dual fuel	Year
BE 2013 (29)	59%		41%	2013
BE 2014 (33)	58%		42%	2014
CZ 2013 (85)	72%	26%	2%	2013
CZ 2014 (151)	46%	49%	5%	2014
DK 2013 (166)	75%	17%	8%	2013
EE 2013 (15)	93%		7%	2013
EE 2014 (42)	95%	3%	3%	2014
ES 2013 (122)	26%	37%	37%	2013
ES 2014 (95)	57%	26%	17%	2014
FR 2013 (48)	46%	40%	14%	2013
FR 2014 (101)	22%	21%	57%	2014
GB 2013 (147)	14%	18%	68%	2013
GB 2014 (187)	37%	22%	41%	2014
IE 2013 (29)	34%	24%	41%	2013
IE 2014 (24)	38%	25%	38%	2014
IT 2013 (57)	53%	39%	9%	2013
IT 2014 (50)	46%	46%	8%	2014
LT 2013 (2)	50%		50%	2013
NL 2013 (236)	30%	25%	45%	2013
NL 2014 (277)	31%	26%	43%	2014
PT 2013 (25)	42%	35%	23%	2013
PT 2014 (66)	52%	24%	24%	2014

Figure A-12, Page 280: CR3 in the retail electricity and gas markets for households in the EU MSs and Norway – 2014 and change from 2009 - 2014 (%)

Source: CEER National Indicators Database (2015).

		CR3 - Electricity (ranked)	CR3 - Gas	CR3 change 2009 - 2014 - Electricity	CR3 change 2009 - 2014 - Gas
Bulgaria	BG	100.0	100.0	0.0	0.0
Cyprus	CY	100.0		0.0	
Malta	MT	100.0		0.0	
Lithuania	LT	100.0	100.0		0.0
Greece	GR	100.0	100.0	0.0	0.0
Croatia	HR	99.0	61.6	-1.0	1.8
Latvia	LV	98.0	100.0	-2.0	0.0
Luxembourg	LU	98.0	100.0	3.0	7.0
France	FR	98.0	93.0	2.0	-4.0
Portugal	PT	95.5	99.9	-3.5	-0.1
Ireland	IE	93.0	91.3	-3.9	-8.7
Slovakia	SK	90.4	91.4	7.7	-8.6
Spain	ES	90.3	85.4	-4.3	-10.6
Hungary	HU	85.0	88.0	11.1	16.6
Estonia	EE	85.0	92.0	0.0	0.0
Italy	IT	84.5	52.7	-5.4	0.9
Poland	PO	80.7	99.9		
Netherlands	NL	79.4	78.2	-0.6	-1.2
Czech Rep	CZ	78.0	52.2	-18.0	-46.8
Belgium	BE	75.9	73.8	-3.0	-18.0
Romania	RO	71.3	92.7	12.5	-0.6
Slovenia	SI	64.8	65.4	-4.6	-8.6
Austria	AT	61.0	77.0	-6.0	-8.3
Great Britain	GB	56.0	63.4	-3.0	-8.7
Denmark	DK	45.0	95.0		
Sweden	SE	42.9	85.0	-10.9	0.0
Germany	DE	41.0	22.0	-5.0	-3.4
Finland	FI	40.0	95.0		
Norway	NO	37.6		10.0	

Figure A-13, Page 281: Market shares of incumbent suppliers in the electricity and gas markets for households in the EU MSs and Norway in 2014 (%)

Source: CEER National Indicators Database (2015).

	MS	ELE	GAS
Bulgaria	BG	100.0	100.0
Cyprus	CY	100.0	
Malta	MT	100.0	
Romania	RO	100.0	100.0
Greece	GR	99.9	100.0
Croatia	HR	99.8	100.0
Poland	PL	99.1	99.3
Hungary	HU	97.6	98.1
France	FR	90.4	83.3
Slovakia	SK	90.4	81.2
Slovenia	SI	82.9	
Spain	ES	83.2	66.0
Germany	DE	74.6	82.1
Czech Republic	CZ	69.1	93.4
Portugal	PT	52.5	35.0
Norway	NO	64.8	
Belgium	BE	53.7	49.5
Great Britain	GB	34.1	37.8
Ireland	IE		52.0
Latvia	LV	99.5	100.0
Lithuania	LT	100.0	100.0
Luxembourg	LU		93.2
Denmark	DK		94.6
Finland	FI		
Austria	AT		
Estonia	EE		
Netherlands	NL		
Sweden	SE		
Italy	IT		

Figure A-14, Page 281: The relationship between the wholesale price and the energy component of the retail price and the evolution of the mark-up in retail electricity household markets 2008–2013

Source: NRAs and European power exchanges data (2015) and ACER calculations.

Retail							
Country	2008	2009	2010	2011	2012	2013	2014
AT	67.8	71.0	71.0	80.2	76.8	75.8	70.5
BE		69.8	74.1	75.8	78.3	70.9	69.4
CZ			47.5	45.9	48.2	44.2	36.6
DE	80.1	79.8	87.7	80.7	84.5	86.6	77.2
DK	80.2	46.7	60.0	67.6	52.8	48.3	46.3
EE				31.8	48.3	47.9	46.0
ES	72.2	79.2	66.5	71.2	58.6	53.7	51.5
FI	55.0	55.1	58.1	64.5	61.3	60.3	56.2
FR					53.1	57.4	59.7
GB	101.4	88.3	89.3	90.6	101.0	103.3	119.6
GR					55.0	65.8	78.7
HU					69.2	57.6	47.1
IE				90.6	103.6	93.5	101.7
IT	94.4	92.0	77.9	80.7	91.7	85.0	79.6
LT			45.1	47.5	47.9	48.1	49.1
LU	62.6	90.9	73.0	71.3	74.7	69.8	72.1
LV						55.8	
NL	84.8	91.4	78.9	77.9	78.8	76.2	74.5
NO	59.0	45.5	60.3	53.5	43.5	52.2	46.5
PL				57.4	63.2	58.6	55.5
PT	64.1	81.3	54.4	56.2	66.5	66.5	64.5
RO	35.7	31.4	33.4	32.0	25.9	36.6	37.5
SE	62.0	54.2	67.0	63.9	60.2	56.5	47.7
SI				60.5	62.3	61.2	58.5
SK			72.2	65.4	68.7	63.3	53.5
Average	70.7	69.8	65.7	65.0	65.6	63.8	62.5
Greece (new data)		67.3	68.4	72.7	79.2	92.8	94.4

Wholesale							
Country	2008	2009	2010	2011	2012	2013	2014
AT	62.1	64.6	57.4	54.0	55.4	52.0	42.7
BE		66.8	59.8	53.9	55.3	53.6	46.7
CZ			56.8	52.2	53.7	50.6	42.2
DE	62.1	64.6	56.9	53.2	54.4	50.6	42.8
DK	53.4	52.4	42.9	47.9	51.1	43.2	38.8
EE				44.8	41.5	44.8	39.5
ES	58.0	59.5	49.2	47.8	52.5	53.9	50.0
FI	46.6	50.8	48.3	48.1	51.3	44.6	43.8
FR					56.7	54.0	46.2
GB	72.3	73.3	56.5	56.5	62.0	64.2	62.6
GR					60.1	44.0	59.5
HU					60.6	57.3	45.8

IE				66.2	67.9	71.3	61.9
IT	85.6	88.7	70.4	73.4	78.0	74.6	65.3
LT			47.7	46.4	46.9	51.0	53.3
LU	62.6	65.0	55.6	52.4	53.3	49.8	40.3
LV						55.3	
NL	67.5	68.4	59.4	54.0	56.5	55.7	49.4
NO	44.1	35.8	59.6	49.4	33.3	39.1	29.4
PL				50.4	50.0	47.8	43.7
PT	62.6	59.2	49.6	48.0	52.6	52.3	50.0
RO	54.0	37.3	39.2	54.7	53.0	38.6	37.7
SE	50.5	38.0	62.8	49.5	34.9	40.3	31.6
SI				60.9	57.6	47.0	43.7
SK			46.3	53.1	45.1	39.6	35.6
Average	60.1	58.9	54.0	53.2	53.5	51.0	45.9
Greece (new data)		46.4	47.5	63.4	60.1	44.0	59.5

Mark-up							
Country	2008	2009	2010	2011	2012	2013	2014
AT	5.7	6.4	13.6	26.2	21.4	23.8	27.8
BE		3.0	14.3	21.9	23.0	17.3	22.7
CZ			-9.3	-6.3	-5.5	-6.4	-5.6
DE	18.0	15.2	30.8	27.5	30.1	36.0	34.4
DK	26.8	-5.7	17.1	19.7	1.7	5.1	7.5
EE				-13.0	6.8	3.1	6.5
ES	14.2	19.7	17.2	23.4	6.1	-0.3	1.5
FI	8.4	4.3	9.8	16.4	10.0	15.7	12.4
FR					-3.6	3.4	13.5
GB	29.1	15.0	32.8	34.1	39.0	39.1	57.0
GR					-5.1	21.8	19.2
HU					8.6	0.3	1.3
IE				24.4	35.7	22.2	39.7
IT	8.8	3.4	7.5	7.3	13.7	10.4	14.3
LT			-2.7	1.0	0.9	-3.0	-4.2
LU	0.0	25.9	17.4	18.9	21.4	20.0	31.8
LV						0.5	
NL	17.3	23.0	19.5	23.9	22.3	20.5	25.1
NO	14.9	9.7	0.7	4.1	10.2	13.1	17.1
PL				7.0	13.2	10.8	11.8
PT	1.5	22.1	4.7	8.2	13.9	14.2	14.5
RO	-18.3	-5.9	-5.8	-22.7	-27.1	-2.0	-0.2
SE	11.5	16.2	4.2	14.4	25.3	16.2	16.1
SI				-0.4	4.7	14.2	14.8
SK			25.9	12.3	23.6	23.7	17.9
Average	10.6	10.9	11.6	11.8	12.1	12.8	16.5
Greece (new data)		20.9	20.9	9.3	19.1	48.8	34.9

Figure A-15, Page 284: The relationship between the wholesale price and the energy component of the retail price and the evolution of the mark-up in retail gas household markets 2012–2014 (euro/MWh)
Source: ACER Database, Eurostat, NRAs and European power exchanges data (2014) and ACER calculations.

		Retail			Wholesale			Mark-up		
		2012	2013	2014	2012	2013	2014	2012	2013	2014
Belgium	BE	47.3	35.3	35.6	24.6	27.0	23.8	22.6	8.4	11.8
Bulgaria	BG	35.6	37.4	33.6	41.8	32.0	30.9	-6.2	5.3	2.6
Croatia	HR		40.9	35.7	43.7	35.1	28.9		5.8	6.7
Czech Republic	CZ	37.2	33.8	36.3	35.0	30.7	24.3	2.2	3.1	12.0
Denmark	DK	32.7	30.1	25.9	29.0	27.6	24.1	3.7	2.6	1.8
Estonia	EE	35.7	33.8	33.6	33.4	33.4	32.0	2.2	0.5	1.5
Finland	FI	42.1	35.7		37.3	35.2		4.8	0.6	0.0
France	FR	40.6	37.7	35.1	29.9	29.9	24.7	10.7	7.8	10.4
Greece	GR	52.7	43.4	57.9	33.8	32.2	28.2	18.9	11.2	29.8
Hungary	HU	28.2	23.0	29.1	32.2	30.6	26.4	-4.0	-7.6	2.7
Ireland	IE	36.2	36.5	36.7	26.3	28.0	24.5	9.9	8.5	12.2
Italy	IT	42.0	37.3	35.0	33.2	30.9	27.0	8.9	6.3	8.0
Latvia	LV	29.2	28.2	29.5	33.4	32.1	29.3	-4.2	-4.0	0.2
Lithuania	LT	43.6	40.7	29.5	38.8	37.5	35.3	4.9	3.2	-5.8
Luxembourg	LU	51.1	45.6	38.8	26.3	28.0	25.0	24.7	18.4	13.8
Netherlands	NL	39.8	36.4	36.7	25.8	27.2	23.7	14.1	9.2	13.0
Poland	PL	30.4	25.3	29.3	31.5	30.5	25.1	-1.1	-5.2	4.2
Portugal	PT	29.6	28.7	34.5	28.9	29.3	31.8	0.7	-0.5	2.7
Romania	RO	17.5	14.3	13.7	32.9	28.5	26.7	-15.4	-14.2	-13.1
Slovakia	SK	29.3	28.7	28.6	30.8	30.7	25.4	-1.5	-2.0	3.2
Slovenia	SI	33.7	33.2	35.3	37.6	31.0	27.6	-3.9	2.1	7.8
Spain	ES	32.5	30.3	30.9	27.6	27.3	26.2	4.9	3.0	4.7
Sweden	SE	42.7	44.3	40.6	35.6	33.3	27.6	7.1	11.0	13.0

Figure A-16, Page 287: Relationship between the wholesale price and the energy component of the retail electricity price in the industrial segment – 2008 to 2014 (euros/MWh)

Source: NRAs and European power exchanges data (2015) and ACER calculations.

Retail							
Country	2008	2009	2010	2011	2012	2013	2014
AT		70.7	66.9	65.7	62.3	58.7	53.1
BE		71.1	67.2	68.2	66.7	60.7	57.4
CZ			71.2	63.2	61.1	56.3	45.9
DE		68.1	64.6	64.0	61.1	59.6	51.8
EE				35.1	31.6	44.7	42.8
FI	48.5	48.1	48.9	50.1	48.7	49.1	46.3
FR					47.4	52.9	54.7
GB	80.9	75.7	75.0	75.0	87.0	86.7	94.8
IT	104.8	100.0	86.5	98.4	105.2	97.8	89.8
LT							
NL		77.1	65.2	62.7	62.7	60.2	55.5
NO	44.6	38.0	46.7	42.1	34.5	39.2	34.0
PT				57.4	65.9	66.1	63.9
SE	56.4	46.9	59.0	53.6	48.2	48.4	42.0
Average of Value	67.1	66.2	65.1	61.3	60.2	60.0	56.3

Wholesale							
Country	2008	2009	2010	2011	2012	2013	2014
AT		70.0	61.6	56.5	56.5	52.7	43.8
BE		72.0	63.8	56.7	56.8	55.0	49.4
CZ			68.7	61.1	60.1	55.9	47.0
DE		70.0	61.6	56.5	56.5	52.7	43.8
EE				46.1	47.6	48.2	44.2
FI	50.5	47.3	52.5	49.5	47.8	44.7	42.3
FR					58.1	54.6	47.6
GB	73.5	70.2	51.0	56.8	59.7	59.1	58.4
IT	87.1	80.2	68.1	72.7	77.5	70.9	60.9
LT							
NL		81.6	68.5	61.5	61.4	59.7	53.2
NO	44.0	40.4	54.0	47.3	36.1	40.5	32.2
PT				47.3	52.0	52.3	51.1
SE	53.8	44.4	59.1	49.7	39.9	43.3	36.1
Average of Value	61.8	64.0	60.9	55.2	54.6	53.1	46.9

Mark-up							
Country	2008	2009	2010	2011	2012	2013	2014
AT		0.7	5.3	9.2	5.8	6.0	9.3
BE		-0.9	3.4	11.5	9.9	5.6	8.0
CZ			2.5	2.1	1.0	0.4	-1.1
DE		-1.9	3.0	7.5	4.5	6.9	8.1
EE				-11.0	-16.0	-3.5	-1.5
FI	-2.0	0.8	-3.6	0.6	0.9	4.4	4.0

FR					-10.7	-1.7	7.1
GB	7.5	5.5	24.0	18.1	27.3	27.6	36.4
IT	17.7	19.7	18.3	25.7	27.7	26.9	28.9
LT							
NL		-4.5	-3.3	1.3	1.4	0.5	2.3
NO	0.7	-2.4	-7.3	-5.2	-1.6	-1.3	1.8
PT				10.0	13.9	13.8	12.8
SE	2.5	2.4	-0.1	3.9	8.3	5.1	5.9
Average of Value	5.3	2.2	4.2	6.1	5.6	7.0	9.4

Figure A-18, Page 291: Schematic representation of the proposed calculation of the share of forward procurement, based on demand data for Luxembourg – January - December 2014 (hourly demand, MWh)

Source: ACER.

date no hour	Sum of profile
1-Jan-14	3.543
2-Jan-14	3.447
3-Jan-14	3.409
4-Jan-14	3.550
5-Jan-14	3.563
6-Jan-14	3.576
7-Jan-14	3.377
8-Jan-14	3.475
9-Jan-14	3.472
10-Jan-14	3.431
11-Jan-14	3.572
12-Jan-14	3.583
13-Jan-14	3.594
14-Jan-14	3.393
15-Jan-14	3.489
16-Jan-14	3.483
17-Jan-14	3.439
18-Jan-14	3.578
19-Jan-14	3.586
20-Jan-14	3.594
21-Jan-14	3.390
22-Jan-14	3.486
23-Jan-14	3.478
24-Jan-14	3.431
25-Jan-14	3.567
26-Jan-14	3.575
27-Jan-14	3.582
28-Jan-14	3.377
29-Jan-14	3.467
30-Jan-14	3.458
31-Jan-14	3.412
1-Feb-14	3.544
2-Feb-14	3.549
3-Feb-14	3.553
4-Feb-14	3.350
5-Feb-14	3.439
6-Feb-14	3.428
7-Feb-14	3.379
8-Feb-14	3.510
9-Feb-14	3.512
10-Feb-14	3.516
11-Feb-14	3.312
12-Feb-14	3.400
13-Feb-14	3.386

14-Feb-14	3.338
15-Feb-14	3.464
16-Feb-14	3.466
17-Feb-14	3.468
18-Feb-14	3.266
19-Feb-14	3.350
20-Feb-14	3.337
21-Feb-14	3.288
22-Feb-14	3.413
23-Feb-14	3.412
24-Feb-14	3.413
25-Feb-14	3.212
26-Feb-14	3.295
27-Feb-14	3.281
28-Feb-14	3.231
1-Mar-14	3.350
2-Mar-14	3.349
3-Mar-14	3.350
4-Mar-14	3.153
5-Mar-14	3.231
6-Mar-14	3.217
7-Mar-14	3.165
8-Mar-14	3.285
9-Mar-14	3.281
10-Mar-14	3.282
11-Mar-14	3.085
12-Mar-14	3.164
13-Mar-14	3.148
14-Mar-14	3.100
15-Mar-14	3.214
16-Mar-14	3.209
17-Mar-14	3.210
18-Mar-14	3.018
19-Mar-14	3.092
20-Mar-14	2.900
21-Mar-14	2.870
22-Mar-14	3.005
23-Mar-14	2.939
24-Mar-14	2.944
25-Mar-14	2.835
26-Mar-14	2.821
27-Mar-14	2.829
28-Mar-14	2.800
29-Mar-14	2.932
30-Mar-14	2.789
31-Mar-14	2.871
1-Apr-14	2.765
2-Apr-14	2.751
3-Apr-14	2.758
4-Apr-14	2.728
5-Apr-14	2.855
6-Apr-14	2.792
7-Apr-14	2.798
8-Apr-14	2.694
9-Apr-14	2.681

10-Apr-14	2.688
11-Apr-14	2.658
12-Apr-14	2.782
13-Apr-14	2.719
14-Apr-14	2.723
15-Apr-14	2.622
16-Apr-14	2.608
17-Apr-14	2.617
18-Apr-14	2.588
19-Apr-14	2.708
20-Apr-14	2.647
21-Apr-14	2.637
22-Apr-14	2.554
23-Apr-14	2.541
24-Apr-14	2.547
25-Apr-14	2.518
26-Apr-14	2.635
27-Apr-14	2.578
28-Apr-14	2.581
29-Apr-14	2.484
30-Apr-14	2.473
1-May-14	2.538
2-May-14	2.453
3-May-14	2.567
4-May-14	2.508
5-May-14	2.514
6-May-14	2.419
7-May-14	2.408
8-May-14	2.416
9-May-14	2.388
10-May-14	2.501
11-May-14	2.444
12-May-14	2.449
13-May-14	2.359
14-May-14	2.442
15-May-14	2.407
16-May-14	2.391
17-May-14	2.450
18-May-14	2.436
19-May-14	2.455
20-May-14	2.364
21-May-14	2.385
22-May-14	2.351
23-May-14	2.335
24-May-14	2.392
25-May-14	2.379
26-May-14	2.397
27-May-14	2.308
28-May-14	2.329
29-May-14	2.349
30-May-14	2.282
31-May-14	2.337
1-Jun-14	2.327
2-Jun-14	2.344
3-Jun-14	2.260

4-Jun-14	2.280
5-Jun-14	2.249
6-Jun-14	2.237
7-Jun-14	2.291
8-Jun-14	2.281
9-Jun-14	2.275
10-Jun-14	2.217
11-Jun-14	2.237
12-Jun-14	2.206
13-Jun-14	2.194
14-Jun-14	2.250
15-Jun-14	2.240
16-Jun-14	2.259
17-Jun-14	2.180
18-Jun-14	2.202
19-Jun-14	2.172
20-Jun-14	2.160
21-Jun-14	2.217
22-Jun-14	2.207
23-Jun-14	2.202
24-Jun-14	2.148
25-Jun-14	2.172
26-Jun-14	2.142
27-Jun-14	2.133
28-Jun-14	2.187
29-Jun-14	2.180
30-Jun-14	2.201
1-Jul-14	2.124
2-Jul-14	2.148
3-Jul-14	2.121
4-Jul-14	2.112
5-Jul-14	2.168
6-Jul-14	2.161
7-Jul-14	2.181
8-Jul-14	2.108
9-Jul-14	2.132
10-Jul-14	2.105
11-Jul-14	2.098
12-Jul-14	2.154
13-Jul-14	2.150
14-Jul-14	2.170
15-Jul-14	2.097
16-Jul-14	2.121
17-Jul-14	2.097
18-Jul-14	2.090
19-Jul-14	2.149
20-Jul-14	2.144
21-Jul-14	2.167
22-Jul-14	2.095
23-Jul-14	2.121
24-Jul-14	2.097
25-Jul-14	2.090
26-Jul-14	2.149
27-Jul-14	2.147
28-Jul-14	2.170

29-Jul-14	2.097
30-Jul-14	2.126
31-Jul-14	2.102
1-Aug-14	2.098
2-Aug-14	2.157
3-Aug-14	2.155
4-Aug-14	2.181
5-Aug-14	2.111
6-Aug-14	2.140
7-Aug-14	2.115
8-Aug-14	2.112
9-Aug-14	2.173
10-Aug-14	2.172
11-Aug-14	2.201
12-Aug-14	2.129
13-Aug-14	2.159
14-Aug-14	2.137
15-Aug-14	2.191
16-Aug-14	2.198
17-Aug-14	2.196
18-Aug-14	2.225
19-Aug-14	2.153
20-Aug-14	2.186
21-Aug-14	2.166
22-Aug-14	2.162
23-Aug-14	2.228
24-Aug-14	2.229
25-Aug-14	2.259
26-Aug-14	2.188
27-Aug-14	2.221
28-Aug-14	2.201
29-Aug-14	2.200
30-Aug-14	2.266
31-Aug-14	2.267
1-Sep-14	2.297
2-Sep-14	2.225
3-Sep-14	2.261
4-Sep-14	2.241
5-Sep-14	2.240
6-Sep-14	2.310
7-Sep-14	2.311
8-Sep-14	2.344
9-Sep-14	2.271
10-Sep-14	2.307
11-Sep-14	2.289
12-Sep-14	2.287
13-Sep-14	2.359
14-Sep-14	2.313
15-Sep-14	2.333
16-Sep-14	2.263
17-Sep-14	2.265
18-Sep-14	2.288
19-Sep-14	2.279
20-Sep-14	2.403
21-Sep-14	2.369

22-Sep-14	2.390
23-Sep-14	2.318
24-Sep-14	2.323
25-Sep-14	2.346
26-Sep-14	2.336
27-Sep-14	2.466
28-Sep-14	2.428
29-Sep-14	2.449
30-Sep-14	2.377
1-Oct-14	2.382
2-Oct-14	2.408
3-Oct-14	2.399
4-Oct-14	2.531
5-Oct-14	2.492
6-Oct-14	2.516
7-Oct-14	2.442
8-Oct-14	2.447
9-Oct-14	2.474
10-Oct-14	2.466
11-Oct-14	2.599
12-Oct-14	2.562
13-Oct-14	2.586
14-Oct-14	2.510
15-Oct-14	2.515
16-Oct-14	2.542
17-Oct-14	2.533
18-Oct-14	2.673
19-Oct-14	2.634
20-Oct-14	2.659
21-Oct-14	2.580
22-Oct-14	2.587
23-Oct-14	2.615
24-Oct-14	2.606
25-Oct-14	2.749
26-Oct-14	2.782
27-Oct-14	2.734
28-Oct-14	2.653
29-Oct-14	2.660
30-Oct-14	2.688
31-Oct-14	2.679
1-Nov-14	2.958
2-Nov-14	2.970
3-Nov-14	2.990
4-Nov-14	2.831
5-Nov-14	2.926
6-Nov-14	2.932
7-Nov-14	2.905
8-Nov-14	3.034
9-Nov-14	3.053
10-Nov-14	3.073
11-Nov-14	2.910
12-Nov-14	3.003
13-Nov-14	3.012
14-Nov-14	2.985
15-Nov-14	3.117

16-Nov-14	3.135
17-Nov-14	3.156
18-Nov-14	2.988
19-Nov-14	3.084
20-Nov-14	3.090
21-Nov-14	3.061
22-Nov-14	3.197
23-Nov-14	3.215
24-Nov-14	3.236
25-Nov-14	3.063
26-Nov-14	3.162
27-Nov-14	3.168
28-Nov-14	3.138
29-Nov-14	3.276
30-Nov-14	3.295
1-Dec-14	3.316
2-Dec-14	3.139
3-Dec-14	3.236
4-Dec-14	3.242
5-Dec-14	3.212
6-Dec-14	3.353
7-Dec-14	3.369
8-Dec-14	3.390
9-Dec-14	3.209
10-Dec-14	3.309
11-Dec-14	3.314
12-Dec-14	3.280
13-Dec-14	3.424
14-Dec-14	3.441
15-Dec-14	3.462
16-Dec-14	3.274
17-Dec-14	3.375
18-Dec-14	3.381
19-Dec-14	3.346
20-Dec-14	3.490
21-Dec-14	3.506
22-Dec-14	3.525
23-Dec-14	3.333
24-Dec-14	3.436
25-Dec-14	3.540
26-Dec-14	3.549
27-Dec-14	3.550
28-Dec-14	3.563
29-Dec-14	3.582
30-Dec-14	3.387
31-Dec-14	3.489

Figure A-25, Page 310: Potential annual net welfare gains in different EU MSs if available cross-border capacities were fully utilised following suppliers sourcing prices spreads – 2014, monthly combined (million euros/year)
Source: IEA, Eurostat, Platts, ENTSOG (2014) and ACER calculations

	Physical unused capacity optimization (Ph Cp): New entrant sells gas with no profit	Physical unused capacity optimization (Ph Cp): New entrant sells gas with a 50% of profit	Peak capacity optimization (Pk Cp): New entrant sells gas with no profit	Peak capacity optimization (Pk Cp): New entrant sells gas with a 50% of profit	Contractual capacity optimization (Co Cp): New entrant sells gas with no profit	Contractual capacity optimization (Co Cp): New entrant sells gas with a 50% of profit
DE hub > FR I.t.	231.83	115.91	188.22	94.11	75.43	37.72
13% Co Cp	231.83	115.91	188.22	94.11	75.43	37.72
31% Pk Cp	231.83	115.91	188.22	94.11	75.43	37.72
38% Ph Cp	231.83	115.91	188.22	94.11	75.43	37.72
AT hub > IT I.t.	191.56	95.78	55.51	27.75	6.08	3.04
1% Co Cp	191.56	95.78	55.51	27.75	6.08	3.04
6% Pk Cp	191.56	95.78	55.51	27.75	6.08	3.04
24% Ph Cp	191.56	95.78	55.51	27.75	6.08	3.04
DE hub > IT I.t.	186.98	93.49	42.68	21.34	37.07	18.53
4% Co Cp	186.98	93.49	42.68	21.34	37.07	18.53
4% Pk Cp	186.98	93.49	42.68	21.34	37.07	18.53
16% Ph Cp	186.98	93.49	42.68	21.34	37.07	18.53
BE hub > FR I.t.	137.87	68.94	92.57	46.28	11.57	5.78
2% Co Cp	137.87	68.94	92.57	46.28	11.57	5.78
14% Pk Cp	137.87	68.94	92.57	46.28	11.57	5.78
20% Ph Cp	137.87	68.94	92.57	46.28	11.57	5.78
SP > PT	135.53	67.77	99.14	49.57	13.39	6.70
6% Co Cp	135.53	67.77	99.14	49.57	13.39	6.70
46% Pk Cp	135.53	67.77	99.14	49.57	13.39	6.70
62% Ph Cp	135.53	67.77	99.14	49.57	13.39	6.70
LV > LT	131.51	65.75	131.20	65.60	131.61	65.81
98% Co Cp	131.51	65.75	131.20	65.60	131.61	65.81
97% Pk Cp	131.51	65.75	131.20	65.60	131.61	65.81
98% Ph Cp	131.51	65.75	131.20	65.60	131.61	65.81
RO > BU	87.03	43.52	87.03	43.52	0.00	0.00
0% Co Cp	87.03	43.52	87.03	43.52	0.00	0.00
100% Pk Cp	87.03	43.52	87.03	43.52	0.00	0.00
100% Ph Cp	87.03	43.52	87.03	43.52	0.00	0.00
HU > HR	54.39	27.20	53.82	26.91	53.52	26.76
100% Co Cp	54.39	27.20	53.82	26.91	53.52	26.76
100% Pk Cp	54.39	27.20	53.82	26.91	53.52	26.76
100% Ph Cp	54.39	27.20	53.82	26.91	53.52	26.76
AT hub > SK	52.89	26.45	0.00	0.00	49.62	24.81
100% Co Cp	52.89	26.45	0.00	0.00	49.62	24.81
0	52.89	26.45	0.00	0.00	49.62	24.81
100% Re Cp	52.89	26.45	0.00	0.00	49.62	24.81

DE hub > FR hub	40.20	20.10	32.92	16.46	13.19	6.60
13% Co Cp	40.20	20.10	32.92	16.46	13.19	6.60
31% Pk Cp	40.20	20.10	32.92	16.46	13.19	6.60
38% Ph Cp	40.20	20.10	32.92	16.46	13.19	6.60
AT hub > IT hub	26.92	13.46	7.84	3.92	0.86	0.43
1% Co Cp	26.92	13.46	7.84	3.92	0.86	0.43
6% Pk Cp	26.92	13.46	7.84	3.92	0.86	0.43
24% Ph Cp	26.92	13.46	7.84	3.92	0.86	0.43
BE hub > FR hub	23.20	11.60	15.98	7.99	2.00	1.00
2% Co Cp	23.20	11.60	15.98	7.99	2.00	1.00
14% Pk Cp	23.20	11.60	15.98	7.99	2.00	1.00
20% Ph Cp	23.20	11.60	15.98	7.99	2.00	1.00
DE hub > PL	19.88	9.94	17.12	8.56	1.99	0.99
2% Co Cp	19.88	9.94	17.12	8.56	1.99	0.99
15% Pk Cp	19.88	9.94	17.12	8.56	1.99	0.99
19% Ph Cp	19.88	9.94	17.12	8.56	1.99	0.99
DE hub > IT hub	19.68	9.84	8.10	4.05	7.03	3.52
4% Co Cp	19.68	9.84	8.10	4.05	7.03	3.52
4% Pk Cp	19.68	9.84	8.10	4.05	7.03	3.52
16% Ph Cp	19.68	9.84	8.10	4.05	7.03	3.52
FR hub > SP	19.14	9.57	8.77	4.39	0.65	0.33
0% Co Cp	19.14	9.57	8.77	4.39	0.65	0.33
3% Pk Cp	19.14	9.57	8.77	4.39	0.65	0.33
6% Ph Cp	19.14	9.57	8.77	4.39	0.65	0.33
AT hub > SI	18.06	9.03	1.86	0.93	7.76	3.88
33% Co Cp	18.06	9.03	1.86	0.93	7.76	3.88
8% Pk Cp	18.06	9.03	1.86	0.93	7.76	3.88
100% Ph Cp	18.06	9.03	1.86	0.93	7.76	3.88
LV > EE	15.17	7.58	15.17	7.58	15.17	7.58
100% Co Cp	15.17	7.58	15.17	7.58	15.17	7.58
100% Pk Cp	15.17	7.58	15.17	7.58	15.17	7.58
100% Ph Cp	15.17	7.58	15.17	7.58	15.17	7.58
DE hub > CZ	14.49	7.25	0.00	0.00	14.49	7.25
100% Co Cp	14.49	7.25	0.00	0.00	14.49	7.25
0	14.49	7.25	0.00	0.00	14.49	7.25
100% Re Cp	14.49	7.25	0.00	0.00	14.49	7.25
IT hub > SI	13.07	6.54	13.07	6.54	13.07	6.54
100% Co Cp	13.07	6.54	13.07	6.54	13.07	6.54
100% Pk Cp	13.07	6.54	13.07	6.54	13.07	6.54
100% Ph Cp	13.07	6.54	13.07	6.54	13.07	6.54
CZ > SK	12.20	6.10	12.20	6.10	8.73	4.37
81% Co Cp	12.20	6.10	12.20	6.10	8.73	4.37
100% Pk Cp	12.20	6.10	12.20	6.10	8.73	4.37
100% Ph Cp	12.20	6.10	12.20	6.10	8.73	4.37
SI > HR	6.20	3.10	4.35	2.18	0.19	0.09
1% Co Cp	6.20	3.10	4.35	2.18	0.19	0.09
18% Pk Cp	6.20	3.10	4.35	2.18	0.19	0.09
33% Ph Cp	6.20	3.10	4.35	2.18	0.19	0.09
AT hub > HU	4.04	2.02	0.00	0.00	1.17	0.59
3% Co Cp	4.04	2.02	0.00	0.00	1.17	0.59
0% Pk Cp	4.04	2.02	0.00	0.00	1.17	0.59
5% Ph Cp	4.04	2.02	0.00	0.00	1.17	0.59
Grand Total	1441.84	720.92	887.53	443.77	464.59	232.30