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**EUROPEAN COMMISSION**

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**COMMISSION STAFF WORKING PAPER**

**2009-2010 Report on Progress in Creating the Internal Gas and Electricity Market**

**Technical Annex**

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## COMMISSION STAFF WORKINGPAPER

### REPORT ON PROGRESS IN CREATING THE INTERNAL GAS AND ELECTRICITY MARKET- TECHNICAL ANNEX

#### BACKGROUND TO THIS REPORT

This summary technical report contains important background information relevant to the main Commission Staff Working Paper on the implementation of the electricity and gas Directives<sup>1</sup>. The bulk of the information is based on the reports made by national regulators, which were submitted in the second half of 2010. These individual reports have been published and can be found on the website of the European Regulators' Group for Electricity and Gas ([www.energy-regulators.eu](http://www.energy-regulators.eu)).

This report consists of comparative tables and graphs which, as in previous benchmarking exercises, draw together key indicators submitted by regulators.

Most of the data used was submitted at the end of July 2010 and generally reflected the position at that date. However, some data items, referring to the information in a particular calendar year, will refer to the year 2009 as a whole. Where data is currently unavailable, this appears in tables as follows "NA" (not available) or in the case the data is not applicable for the abbreviation "NAP".

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<sup>1</sup> 2003/54/EC and 2003/55/EC

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## 1. LEGAL IMPLEMENTATION

### 1.1. Market opening gas & electricity Proportion of market open to competition

Eligible consumption (GWh) divided by annual consumption (GWh) in the country

% Market opening				
	Electricity		Gas	
	2008	2009	2008	2009
Austria	100	100	100	100
Belgium	100	100	100	100
Bulgaria	100	100	100	100
Cyprus <sup>2</sup>	31,8	66,7	NAP	NAP
Czech Republic	100	100	100	100
Denmark	100	100	100	100
Estonia	13	28 <sup>3</sup>	100	100
Finland	100	100	NAP	NAP
France	100	100	100	100
Germany	100	100	100	100
Great Britain	100	100	100	100
Greece	90,1	NA <sup>4</sup>	90	86
Hungary	64,5	60,08	34,04	48.2
Ireland	100	100	100	100
Italy	100	100	100	100
Latvia	100	100	NAP <sup>5</sup>	NAP <sup>6</sup>
Lithuania	100	100	100	100
Luxembourg	100	100	100	100
Malta	NAP	NAP	NAP	NAP
Northern Ireland	100	100	100	100
Norway	100	100	NAP	NAP
Poland	100	100	100	100
Portugal	100	100	42,9 <sup>7</sup>	94 <sup>8</sup>
Romania	100	100	100	100
Slovak Republic	100	100	100	100
Slovenia	100	100	100	100
Spain	100	100	100	100
Sweden	100	100	100	100
The Netherlands	100	100	100	100

<sup>2</sup> No developed gas market

<sup>3</sup> Transitional period: the target was 35% but due to the economical crisis and low level of consumption the outcome was 28%. The eligibility level for year 2011 will be overlooked and probably changed by ministry.

<sup>4</sup> All customers eligible except for micro-systems on all interconnected islands

<sup>5</sup> Derogation until 2010

<sup>6</sup> Derogation until 2010

<sup>7</sup> By volume

<sup>8</sup> By volume

## 2. CUSTOMER DIMENSION

### 2.1. Table -Increase in Annual Switching Rate Electricity 2008/2009 (by volume, values are in %)

	whole retail market			large industry			medium sized industry			small industry and households		
	2008	2009	Δ	2008	2009	Δ	2008	2009	Δ	2008	2009	Δ
Austria	9,3	4,6	-4,7	18,8	7,7	-11,1	17,8	18,2	0,4	4,2	2,6	-1,6
Belgium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bulgaria	13,8	14,2	0,4	49,6	52	2,4	1,1	2,4	1,3	0	0	0
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0
Czech Republic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Denmark	11	14,5	3,5	NA	NA	NA	18	14,04	-3,96	4	15,6	11,6
Estonia	0	NA	NA	NA	NA	NA	NA	NA	NA	0	0	0
Finland	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
France	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Germany	9,12	9,5	0,38	10,64	10,7	0,06	10,03	11,8	1,77	5,53	5,5	-0,03
Great Britain	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Greece	0	1,72	1,72	0	0	0	0	5,37	5,37	0	1,18	1,18
Hungary	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ireland	NA	NA	NA	12,37	NA	NA	10,06	NA	NA	4,6	NA	NA
Italy	NA	21	NA	NA	25,9	NA	NA	34,1	NA	NA	17,2	NA
Latvia	1	1	0	0	0	0	1	5	4	0	0	0
Lithuania	0	0	0	0	0	0	0	0	0	0	0	0
Luxembourg	8	1	-7	15,2	1,4	-13,8	1,1	1,9	0,8	0,15	0,07	-0,08
Malta	0	0	0	0	0	0	0	0	0	0	0	0
Northern Ireland	2,5	NAP	NA	8	NAP	NA	5	NAP	NA	5	NAP	NA
Norway	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Poland	7,7	10,2	2,5	17	22,39	5,39	0,31	1,15	0,84	0,05	0,03	-0,02
Portugal	0,1	46,9	46,8	0	83,7	83,7	0	82,9	82,9	0,2	11,7	11,5
Romania	8,97	5,72	-3,25	18,61	12,72	-5,89	3,3	5,7	2,4	0,116	0,143	0,027
Slovak Republic	0,9	4,53	3,63	1,9	NA	NA	NA	NA	NA	0,9	NA	NA
Slovenia	2,6	5,1	2,5	0,07	0	-0,07	1,7	8,2	6,5	0,8	3,6	2,77
Spain	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sweden	9,2	11,24	2,04	9,1	9,2	0,1	9,1	9,2	0,1	9,7	9,3	-0,4
The Netherlands	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Source: Regulators data,  $\Delta$  calculations DG ENER

**Table 2.2 Increase in Annual Switching Rate Electricity 2008/2009 (by eligible meter points, values are in percentage)**

	whole retail market			large industry			medium sized industry			small industry and households		
	2008	2009	$\Delta$	2008	2009	$\Delta$	2008	2009	$\Delta$	2008	2009	$\Delta$
<b>Austria</b>	1,7	1,3	-0,4	14,5	8,3	-6,2	18	7,9	-10,1	1,7	1,3	-0,4
<b>Belgium</b>	NA	6,9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Bulgaria</b>	0,004	0,004	0	36	37	1	0,005	0,008	0,003	0	0	0
<b>Cyprus</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Czech Republic</b>	0,9	1,5	0,6	45	73	28	18	22	4	0,9	1,5	0,6
<b>Denmark</b>	2,8	6,2	3,4	NA	NA	NA	13,5	16,5	3	2,7	6,1	3,4
<b>Estonia</b>	0	NA	NA	NA	NA	NA	NA	NA	NA	0	0	0
<b>Finland</b>	4,4	8,1	3,7	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>France</b>	2	3,4	1,4	1	NA	NA	0	NA	NA	1	3,6	2,6
<b>Germany</b>	4,75	4,8	0,05	17,36	15,6	-1,76	4,57	5,9	1,33	4,71	4,7	-0,01
<b>Great Britain</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	19,9	18,4	-1,5
<b>Greece</b>	0	0,03	0,03	NAP	0	NA	NAP	5,15	NA	NAP	0,03	NA
<b>Hungary</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Ireland</b>	1,17	20,5	19,33	10,44	16,8	6,36	9,83	38,53	28,7	1,13	20,39	19,26
<b>Italy</b>	3,2	4,5	1,3	32,5	25,7	-6,8	32,8	37,3	4,5	10,4	12,2	1,8
<b>Latvia</b>	0,01	0,01	0	0	0	0	0,1	0,5	0,4	0	0	0
<b>Lithuania</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Luxembourg</b>	0,2	0,2	0	3,6	3,3	-0,3	0,37	0,46	0,09	0,21	0,17	-0,04
<b>Malta</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Northern Ireland</b>	0,4	0,75	0,35	8	3	-5	5	14	9	5	10	5
<b>Norway</b>	7,8	8,1	0,3	NAP	NAP	NA	7,6	7,9	0,3	8,1	8,1	0
<b>Poland</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Portugal</b>	1,2	2,3	1,1	0	32,7	32,7	0	24,6	24,6	1,2	2,2	1
<b>Romania</b>	0,006	0,013	0,007	4,16	13,32	9,15	2,07	4,17	2,10	0,002	0,004	0,002
<b>Slovak Republic</b>	0,166	0,9	0,734	2,77	NA	NA	0,15	NA	NA	0,2	0,88	0,68
<b>Slovenia</b>	0,6	1,4	0,8	0	0	0	0,017	5,7	5,68	0,56	1,4	0,84
<b>Spain</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Sweden</b>	8,7	11,2	2,5	7,5	10	2,5	7,5	10	2,5	9,2	11,4	2,2
<b>The Netherlands</b>	9,3	11	1,7	NA	NA	NA	NA	NA	NA	9,3	11	1,7

Source: Regulators data,  $\Delta$  calculations DG ENER

Table 2.3 Annual Switching Rate Gas 2008/2009 (by volume, values are in %)

	whole retail market			large industry			medium sized industry			small industry and households		
	2008	2009	Δ	2008	2009	Δ	2008	2009	Δ	2008	2009	Δ
Austria	3,3	5,4	2,1	NA	NA		4,2	6,9	2,7	0,7	1,3	0,6
Belgium	NA	NA		NA	NA		NA	NA		NA	NA	
Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0
Cyprus	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
Czech Republic	NA	NA		NA	NA		NA	NA		NA	NA	
Denmark	16	14,4	-1,6	NA	13,5		0,8	0,8	0	0,1	0,01	-0,09
Estonia	NA	4,1		NA	NA		NA	NA		NA	NA	
Finland	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
France	NA	NA		NA	20,5		NA	NA		NA	NA	
Germany	4,35	5,16	0,81	6,82	5,93	-0,89	6,49	8,78	2,29	2,57	3,94	1,37
Great Britain	NA	NA		NA	NA		NA	NA		NA	NA	
Greece	0	0	0	0	0	0	0	0	0	0	0	0
Hungary	14,2	21,6	7,4	34	36	2	56,3	58,6	2,3	11,8	17,6	5,8
Ireland	NA	1,3		NA	12,8		NA	20,7		NA	1,3	
Italy	34,2	33,6	-0,6	29,7	37,5	7,8	7,4	10,5	3,1	1,4	2,6	1,2
Latvia	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
Lithuania	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
Luxembourg	NA	NA		NA	NA		NA	NA		NA	NA	
Malta	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
Northern Ireland	0	6,36	6,36	0	5,19	5,19	0	3,74	3,74	0	0,15	0,15
Norway			0			0			0			0
Poland	0	0	0	0	0	0	0	0	0	0	0	0
Portugal	0	NA	NA	NAP	NA		NAP	NA		NAP	NA	
Romania	NA	NA		NA	NA		NA	NA		NA	NA	
Slovak Republic	0	5,2	5,2	0	9,6	9,6	0	0,7	0,7	0	0	0
Slovenia	0,52	3,75	3,23	1,52	13,29	11,77	2,72	0,31	-2,41	0,032	1,4	1,368
Spain	6	5,5	-0,5	9	15	6	8	15	7	4,1	5,6	1,5
Sweden	NA	NA		NA	NA		NA	NA		NA	NA	
The Netherlands	NA	NA		NA	NA		NA	NA		NA	NA	

Source: Regulators data, Δ calculations DG ENER



Table 2.4 Switching rate Gas 2008/2009 (by meter points, values are in %)

	whole retail market			large industry			medium sized industry			small industry and households		
	2008	2009	Δ	2008	2009	Δ	2008	2009	Δ	2008	2009	Δ
Austria	0,5	0,9	0,4	6,7	17,5	10,8	5,8	7,5	1,7	0,5	0,9	0,4
Belgium	NA	8,4		NA	NA		NA	NA		NA	NA	
Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0
Cyprus	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
Czech Republic	0,02	1,16	1,14	6,7	8,7	2	1,2	4	2,8	0,2	1,15	0,95
Denmark	0,6	1,1	0,5	NA	0,6		0,2	0,2	0	0,3	0,3	0
Estonia	NA	NA		NA	NA		NA	NA		2,1	NA	
Finland	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
France	9,81	4	-5,81	NA	13,2		NA	NA		9,82	4	-5,82
Germany	2,85	3,48	0,63	15,81	4,21	-11,6	8,63	3,86	-4,77	2,78	3,47	0,69
Great Britain	NA	NA		NA	NA		NA	NA		18,9	17,3	-1,6
Greece	0	0	0	0	0	0	0	0	0	0	0	0
Hungary	NA	NA		NA	NA		NA	NA		NA	NA	
Ireland	NA	1,3		NA	12,8		NA	20,7		NA	1,27	
Italy	1,2	2	0,8	28,8	34,4	5,6	3,7	7,3	3,6	1,1	1,9	0,8
Latvia	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
Lithuania	NAP	NAP		NAP	NAP		NAP	NAP		NAP	NAP	
Luxembourg	0,038	0,016	-0,022	0	0	0	73	12	-61	0,005	0,01	0,005
Malta			0			0			0			0
Northern Ireland	0	0,27	0,27	0	6,5	6,5	0	4,5	4,5	0	0,1	0,1
Norway												
Poland	0	0	0	0	0	0	0	0	0	0	0	0
Portugal	0	NA	0	NA	NA		NA	NA		NA	NA	
Romania	NA	NA		NA	NA		NA	NA		NA	NA	
Slovak Republic	0	0,004	0,004	0	4,4	4,4	0	0,4	0,4	0	0	0
Slovenia	0,056	0,13	0,074	11,76	17,64	5,88	1,2	2,53	1,33	0,32	0,00012	-0,31988
Spain	4,1	5,5	1,4	9	15	6	8	15	7	4	5,6	1,6
Sweden	0,8	1,2	0,4	8,7	11,9	3,2	8,7	11,9	3,2	0,3	0,5	0,2
The Netherlands	9,1	11,8	2,7	NA	NA		NA	NA		9,1	11,8	2,7

Source: Regulators data, Δ calculations DG ENER

**Table 2.5 Existence of price controls Electricity**

	End-user price regulation in 2009					
	Households	Non-households	Number of customers supplied under end-user prices		Consumption supplied under end-user prices (in TWh)	
			Households	Non-households	Households	Non-households
<b>Austria</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Belgium</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Bulgaria</b>	YES	YES	4.913.000	651.039	10,4	10,33
<b>Cyprus</b>	YES	YES	402.671	117.359	1,72	2,93
<b>Czech Republic</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Denmark</b>	YES	YES	NA	NA	NA	NA
<b>Estonia</b>	YES	YES	468.000	NA	1,884	3,181
<b>Finland</b>	NO	NO	NAP	NAP	NAP	NAP
<b>France</b>	YES	YES	28.700.000	4.200.000	135	155
<b>Germany</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Great Britain</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Greece</b>	YES	YES	5.788.301	1.765.988	18,13	29,06
<b>Hungary</b>	YES	YES	5.090.750	207.274	11,23	2,69
<b>Ireland</b>	YES	YES	1.598.924	113.708	7,894	3,53
<b>Italy</b>	YES	YES	26.452.511	5.314.045	57,3	34
<b>Latvia</b>	YES	NO	1.003.158	NAP	2	1,9
<b>Lithuania</b>	YES	YES	1.378.161	58.246	2,72	5,3
<b>Luxembourg</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Malta</b>	YES	YES	215.374	42.384	0,658	1,12
<b>Northern Ireland</b>	YES	YES	756.489	37.459	3,42	1,29
<b>Norway</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Poland</b>	YES	NO	13.161.540	1.655.320	26,8	3,5
<b>Portugal</b>	YES	YES	5.757.349	53.676	18,74	18,88
<b>Romania</b>	YES	YES	8.249.943	583.432	10,99	12,32
<b>Slovak Republic</b>	YES	YES	2.080.337	NA	4,966	NA
<b>Slovenia</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Spain</b>	YES	NO	23.156.373	249.607	76,2	12,6
<b>Sweden</b>	NO	NO	NAP	NAP	NAP	NAP
<b>The Netherlands</b>	YES	YES	6.960.000	785.000	24,8	11,8

Source Regulators Data

**Table 2.6 Existence of price controls Gas**

	End-user price regulation in 2009					
	Households	Non-households	Number of customers supplied under end-user prices		Consumption supplied under end-user prices (in TWh)	
			Households	Non-households	Households	Non-households
<b>Austria</b>	NO	NO	0	0	0	0
<b>Belgium</b>	NO	NO	NA	NA	NA	NA
<b>Bulgaria</b>	YES	YES	52.218	5.086	0,53	3,30
<b>Cyprus</b>	NO	NO	0	0	0	0
<b>Czech Republic</b>	NO	NO	0	0	0	0
<b>Denmark</b>	YES	YES	NA	NA	NA	NA
<b>Estonia</b>	NO	NO	0	0	0	0
<b>Finland</b>	NO	NO	0	0	0	0
<b>France</b>	YES	YES	9.946.000	441.000	126	130
<b>Germany</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Great Britain</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Greece</b>	YES	YES	215.983	11.597	3,37	3,16
<b>Hungary</b>	YES	YES	3.302.427	131.422	36,88	29,77
<b>Ireland</b>	YES	YES	605.521	24.038	7,93	4,9
<b>Italy</b>	YES	NO	18.613.807	NAP	195,91	27,52
<b>Latvia</b>	YES	YES	415.629	7.575	1,01	13,25
<b>Lithuania</b>	YES	YES	547.092	5.816	1,7	23,5
<b>Luxembourg</b>	NO	NO	NAP	NAP	NAP	NAP
<b>Malta</b>						
<b>Northern Ireland</b>	YES	YES	118.064	10.916	1,24	2,70
<b>Norway</b>						
<b>Poland</b>	YES	YES	6.406.229	186.526	40,86	104,87
<b>Portugal</b>	YES	YES	1.127.046	4.955	3,50	25,93
<b>Romania</b>	YES	YES	2.767.741	172.759	28,22	34,23
<b>Slovak Republic</b>	YES	NO	1.406.818	0	15,40	0
<b>Slovenia</b>	NO	NO	0	0	0	0
<b>Spain</b>	YES	NO	3.343.500	0	41,6	0
<b>Sweden</b>	NO	NO	NA	NA	NA	NA
<b>The Netherlands</b>	YES	YES	7.300.000	831.000	25,039	10,349

Source Regulators Data

### 3. ELECTRICITY MARKET INDICATORS

**Table 3.1 Degree of concentration**

	<b>Electricity (generation)</b>
Very highly concentrated [HHI above 5000]	BE, FR, LU, LV,SK,GR
Highly concentrated [HHI 1800-5000]	ES, LT, PT, RO, SI,
Moderately concentrated [HHI 750-1800]	DE, GB, HU, IT, NL, NO, PL

Source regulators' submissions, DG ENER calculations

(HHI by capacity – sum of squared shares of individual companies)

**Table 3.2 Wholesale Market Position Electricity – 2008/2009**

ELECTRICITY	Number of companies with more than 5 % share of generation capacity			Share of 3 biggest companies (by capacity) (%)			HHI (by capacity)		
	2008	2009	Δ	2008	2009	Δ	2008	2009	Δ
Austria	6	5	-1	50	49,2	-0,8	NA	NA	
Belgium	2	3	1	97,5	98	0,5	7206	6000	-1206
Bulgaria	6	6	0	56,4	56,8	0,4	NA	NA	
Cyprus	1	1	0	100	100	0	NAP	NAP	
Czech Republic	1	1	0	75,31	72,3	-3,01	NA	NA	
Denmark	2	2	0	75	75	0	NA	NA	
Estonia	1	1	0	99	99	0	NAP	NAP	
Finland	4	4	0	68	68	0	NA	NA	
France	1	1	0	93	99	6	7065	7740	675
Germany	4	4	0	84,7	79,3	-5,4	2008	1764	-244
Great Britain	8	7	-1	42	46	4	901	1076	175
Greece	1	NA	NA	NA	NA	NA	10000	10000	
Hungary	5	5	0	67,9	62	-5,9	1911	1520	-391
Ireland	4	4	0	86	88	2	NA	NA	
Italy	5	5	0	57,6	55,6	-2	1351	1240	-111
Latvia	1	1	0	94	94	0	8110	8900	790
Lithuania	3	3	0	85	70	-15	3095	3472	377
Luxembourg	3	3	0	79	79	0	5682	5661	-21
Malta	1	1	0	100	100	0	10000	10000	0
Northern Ireland	4	5	1	86	76	-10	4096	2800	-1296
Norway	6	4	-2	43	57	14	1826	1078	-748
Poland	5	5	0	52,5	55,1	2,6	1622	1565	-57
Portugal	2	2	0	72,2	72,6	0,4	4521	4627	106
Romania	5	5	0	70,98	69,53	-1,45	2116	2104	-12
Slovak Republic	1	1	0	83,9	84,82	0,92	5019	6257	1237
Slovenia	3	3	0	92,5	88,3	-4,2	4369	4052	-317
Spain	5	5	0	72,9	79,4	6,5	1716	2254	538
Sweden	3	3	0	74,7	73,5	-1,2	NA	NA	
The Netherlands	4	6	2	69,9	64	-5,9	1551	1433	-118

Source- Regulators data, Δ calculations DG ENER

**Table 3.3 Spot traded volumes as percentage of national electricity consumption**

	consumption (TWh)		electr traded (PX - spot) TWh		volume % of consumption			Number of traders active at PX		
	2008	2009	2008	2009	2008	2009	Δ	2008	2009	Δ
<b>Austria</b>	62,172	59,802	2,49	4,66	4,01	7,79	3,79	48	61	13
<b>Belgium</b>	NA	83,33	11,1	10,1	NA	12,12	NA	32	34	2
<b>Czech Republic</b>	72	68,6	1,4	2,6	1,94	3,79	1,85	29	35	6
<b>Denmark</b>	36,2	34,8	34,7	31,7	95,86	91,09	-4,76	9	8	-1
<b>Finland</b>	86,9	80,8	43,6	43,9	50,17	54,33	4,16	NAP	NAP	NAP
<b>France</b>	494,5	486,4	51,6	52,6	10,43	10,81	0,38	70	79	9
<b>Germany</b>	568,5	538,9	145,94	135,6	25,67	25,16	-0,51	203	147	-56
<b>Great Britain</b>	351,37	373,87	11,4	12,2	3,24	3,26	0,02	62	57	-5
<b>Greece</b>	55,68	52,44	58,83	56,06	105,66	106,90	1,25	38	32	-6
<b>Ireland</b>	28,3	26,8	36,51	34,54	129,01	128,88	-0,13	NAP	NAP	NAP
<b>Italy</b>	339,5	320,3	232,6	213	68,51	66,50	-2,01	106	116	10
<b>Lithuania</b>	9,8	8,9	3,7	3,5	37,76	39,33	1,57	5	5	0
<b>Northern Ireland</b>	9,6	34,5	36,51	34,54	380,31	100,12	-280,20	NAP	NAP	NAP
<b>Norway</b>	127,4	123,8	77,5	285,5	60,83	230,61	169,78	133	362	229
<b>Poland</b>	152,5	148,6	2,11	3,07	1,38	2,07	0,68	33	35	2
<b>Portugal</b>	50,57	49,87	47,14	40,55	93,22	81,31	-11,90	2	45	43
<b>Romania</b>	55,21	50,62	5,21	6,35	9,43	12,54	3,10	87	98	11
<b>Slovakia</b>	30,00	25,40	0,00	1,30	0,00	5,12	5,12	120	134	14
<b>Spain</b>	279,9	268,9	141,6	238,611	50,59	88,74	38,15	25	27	2
<b>Sweden</b>	155	157,6	132,7	126,1	85,61	80,01	-5,60	NA	NA	NAP
<b>The Netherlands</b>	119,5	117,1	24,83	29	20,77	24,77	3,99	65	57	-8

Source- Regulators data, Δ calculations DG ENER

BG: There is no power exchange - spot in Bulgaria.

CZ: includes market coupling with Slovakia

FI: Not relevant due to Nordic markets.

FR: Source Powernext Day-ahead.

GR: Calculated as the sum of generated energy plus imports.

HU: There is no power exchange in Hungary (although the HUPX Hungarian Power Exchange Closed Company Limited by Shares has been established in 2007).

IE + Northern Ireland: The Single Electricity Market for the island of Ireland is a gross mandatory pool, therefore all energy goes through the pool.

LU: No power exchange in Luxembourg.

NO: Total traded at Noord Pool Spot, not just the Norwegian share as reported in previous years

SE: The values show the total purchased volume in the Swedish Elspot Bid Area.

**Table 3.4 Retail Market position Electricity – 2008/2009**

ELECTRICITY	Number of nationwide suppliers	Companies with market share over 5% in the whole retail market			Market share of three largest companies in whole retail market (%)		
	2009	2008	2009	Δ	2008	2009	Δ
Austria	11	6	6	0	62	64	2
Belgium	8	NA	2		NA	87,6	
Bulgaria	1	3	3	0	97,5	97,2	-0,3
Cyprus	1	1	1	0	100	100	0
Czech Republic	312	3	3	0	99	98	-1
Denmark	16	7	7	0	NA	NA	
Estonia	4	1	1	0	99	99	0
Finland	25	4	4	0	40	40	0
France	19	1	1	0	97	96	-1
Germany	26	3	3	0	52	47,9	-4,1
Great Britain	20	NA	NA		NA	NA	
Greece	57	1	1	0	100	100	0
Hungary	107	4	4	0	80,73	78,01	-2,72
Ireland	6	4	4	0	84	86,92	2,92
Italy	29	3	2	-1	59	59	0
Latvia	2	1	1	0	100	100	0
Lithuania	2	1	1	0	100	100	0
Luxembourg	8	4	3	-1	94	94	0
Malta	1	1	1	0	100	100	0
Northern Ireland	15	4	4	0	90	90	0
Norway	33	5	5	0	36	36	0
Poland	18	6	6	0	44,3	44,8	0,5
Portugal	6	2	3	1	99,6	95,2	-4,4
Romania	150	5	6	1	48	51	3
Slovak Republic	0	3	3	0	60	NA	
Slovenia	16	7	6	-1	58	64	6
Spain	155	4	4	0	84,8	82,7	-2,1
Sweden	104	3	3	0	NA	NA	
The Netherlands	24	4	4	0	NA	81,1	

Source: Regulators data, Δ calculations DG ENER

#### 4. GAS MARKET INDICATORS

Table 4.1 Market Structure in Import and Production of Gas

GAS	Number of companies with more than 5% share of available gas			Share of 3 biggest companies by available gas (%)			HHI
	2008	2009	Δ	2008	2009	Δ	2009
	Austria	4	4	0	86	88	2
Belgium	4	4	0	92	89,6	-2,4	5115
Bulgaria	1	1	0	89	89,5	0,5	NAP
Cyprus	NAP	NAP		NAP	NAP		NAP
Czech Republic	2	3	1	NA	NA		
Denmark	3	3	0	NA	NA		NA
Estonia	2	2	0	99	99	0	NA
Finland	1	1	0	100	100	0	NAP
France	2	NA		88	NA		4399
Germany	7	6	-1	61,82	68,11	6,29	1886
Great Britain	9	8	-1	41	36	-5	688
Greece	1	1	0	100	100	0	10000
Hungary	4	4	0	86,9	82,3	-4,6	2875
Ireland	5	5	0	81,64	77,3	-4,34	2861
Italy	3	3	0	85,2	80,14	-5,06	3313
Latvia	1	1	0	100	100	0	10000
Lithuania	2	2	0	100	100	0	5800
Luxembourg	2	1	-1	100	100	0	9189
Malta							NAP
Northern Ireland	5	5	0	82,7	75,6	-7,1	10000
Norway							
Poland	1	1	0	100	100	0	9608
Portugal	0	NA		0	NA		NA
Romania	3	2	-1	83,19	89,1	5,91	NAP
Slovak Republic	1	1	0	100	99,6	-0,4	9010
Slovenia	2	1	-1	100	100	0	6791
Spain	4	4	0	66	69	3	2396
Sweden	NA	NA		NA	NA		NA
The Netherlands	1	4	3	87,8	91	3,2	5814

Source: Regulators data, Δ calculations DG ENER



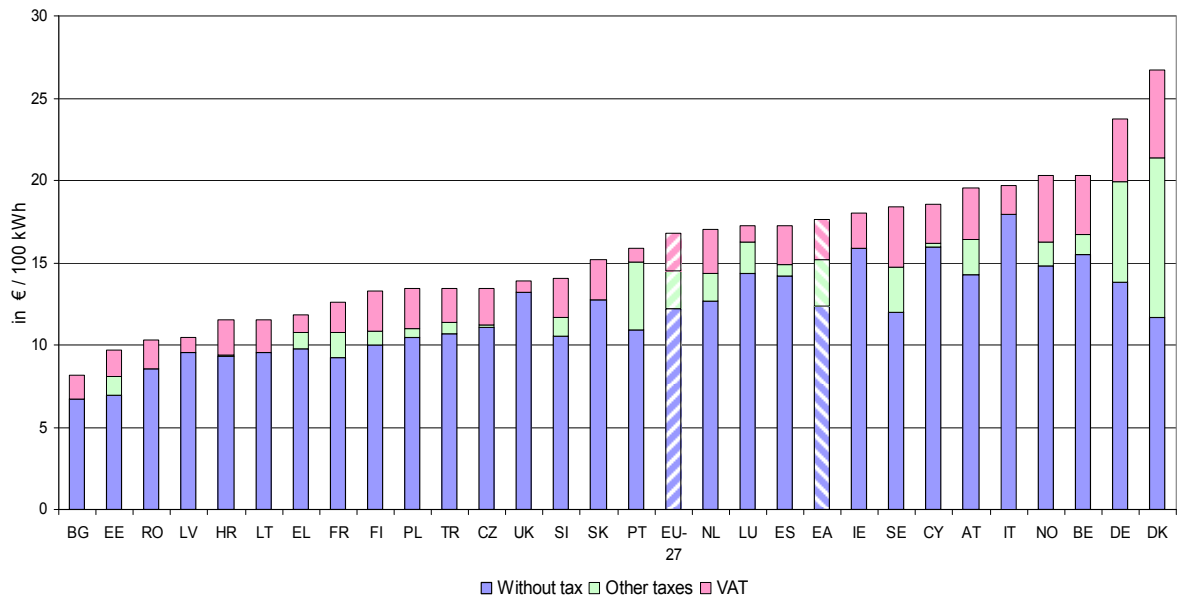
**Table 4.2 Structure of Gas retail market**

GAS	Number of nationwide suppliers	Companies with market share over 5% in the whole retail market			Market share of three largest companies in whole retail market (%)		
	2009	2008	2009	Δ	2008	2009	Δ
Austria	5	5	5	0	80	80	0
Belgium	11	NA	4		NA	89,6	
Bulgaria	28	4	5	1	12,87	50,42	37,55
Cyprus	1	NAP	NAP		NAP	NAP	
Czech Republic	12	8	6	-2	94,16	86,7	-7,46
Denmark	3	4	3	-1	NA	NA	
Estonia	0	1	1	0	99	99	0
Finland	1	6	6	0	NA	NA	
France	16	2	2	0	NA	97	
Germany	64	4	3	-1	35,2	30,1	-5,1
Great Britain	28	NA	NA		NA	NA	
Greece	1	1	1	0	100	100	0
Hungary	19	7	8	1	72,6	68,2	-4,4
Ireland	7	2	3	1	100	96	-4
Italy	6	4	4	0	62,7	57,5	-5,2
Latvia	2	1	1	0	100	100	0
Lithuania	2	2	2	0	100	100	0
Luxembourg	6	4	5	1	85,7	74,7	-11
Malta				0			0
Northern Ireland	0	4	4	0	86	91	5
Norway				0			0
Poland	3	1	1	0	100	100	0
Portugal	4	0	2	2	0	NA	
Romania	24	6	6	0	59,11	54,78	-4,33
Slovak Republic	5	1	1	0	100	99,6	-0,4
Slovenia	3	4	3	-1	82	82	0
Spain	39	5	6	1	71	62	-9
Sweden	0	5	5	0	NA	NA	
The Netherlands	19	3	3	0	NA	79,4	

Source: Regulators data, Δ calculations DG ENER

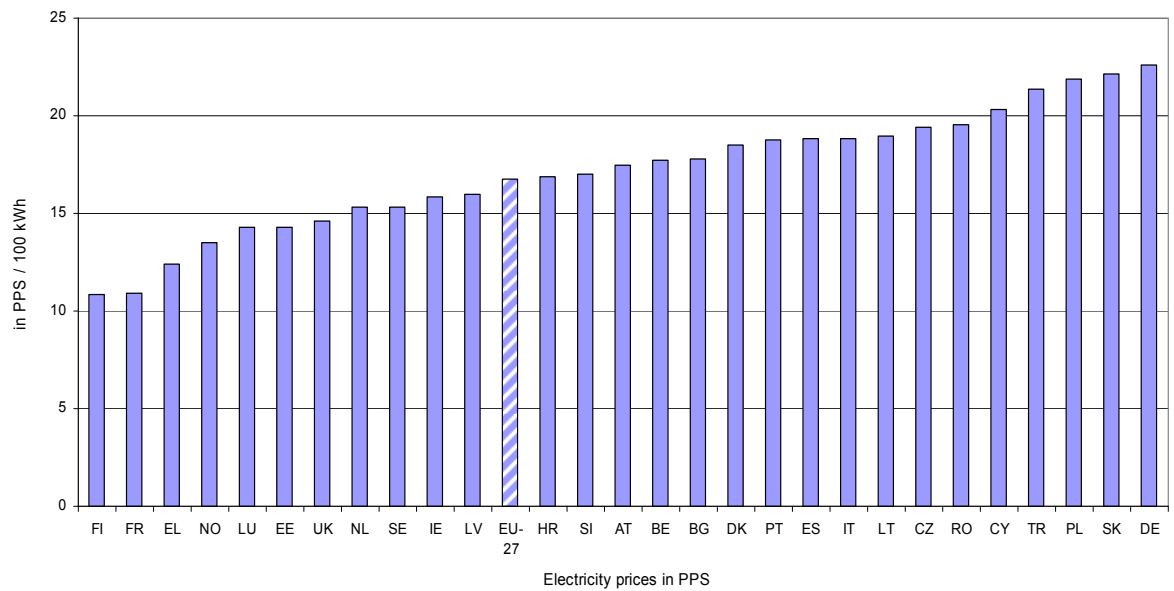
## 5. PRICE DEVELOPMENTS

**Figure 5.1 Electricity prices for household consumers (2010 s01) in €/100kWh<sup>9</sup>**



Source: Eurostat

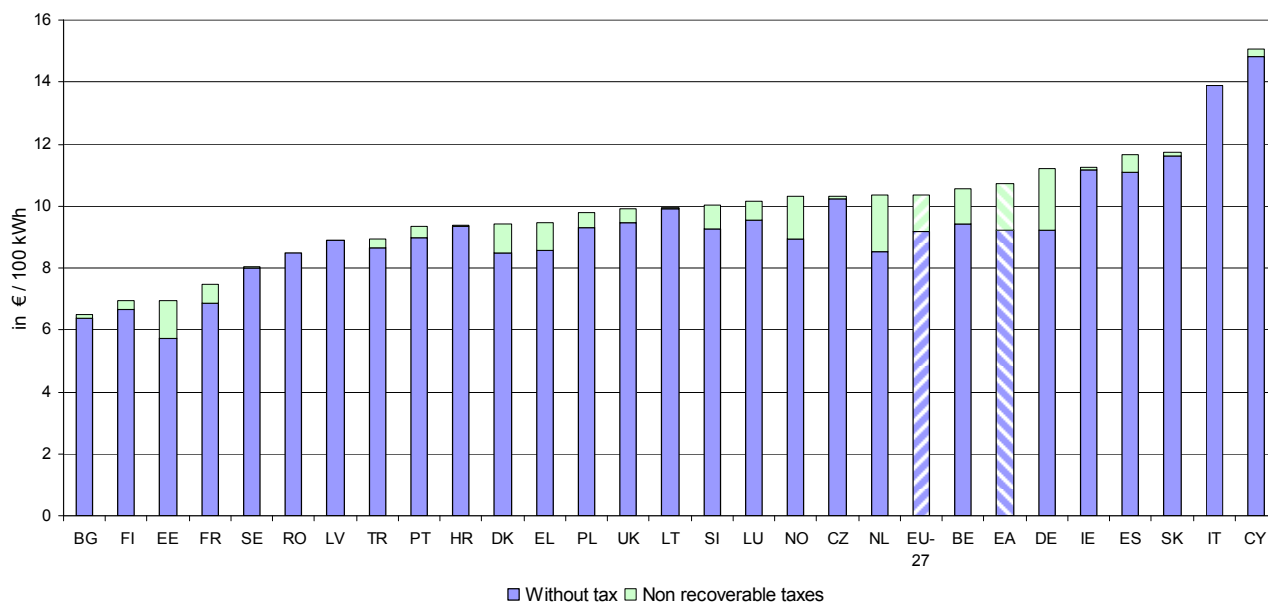
**Figure 5.2 Electricity prices for household consumers (2010 s01) in PPP**



Source: Eurostat

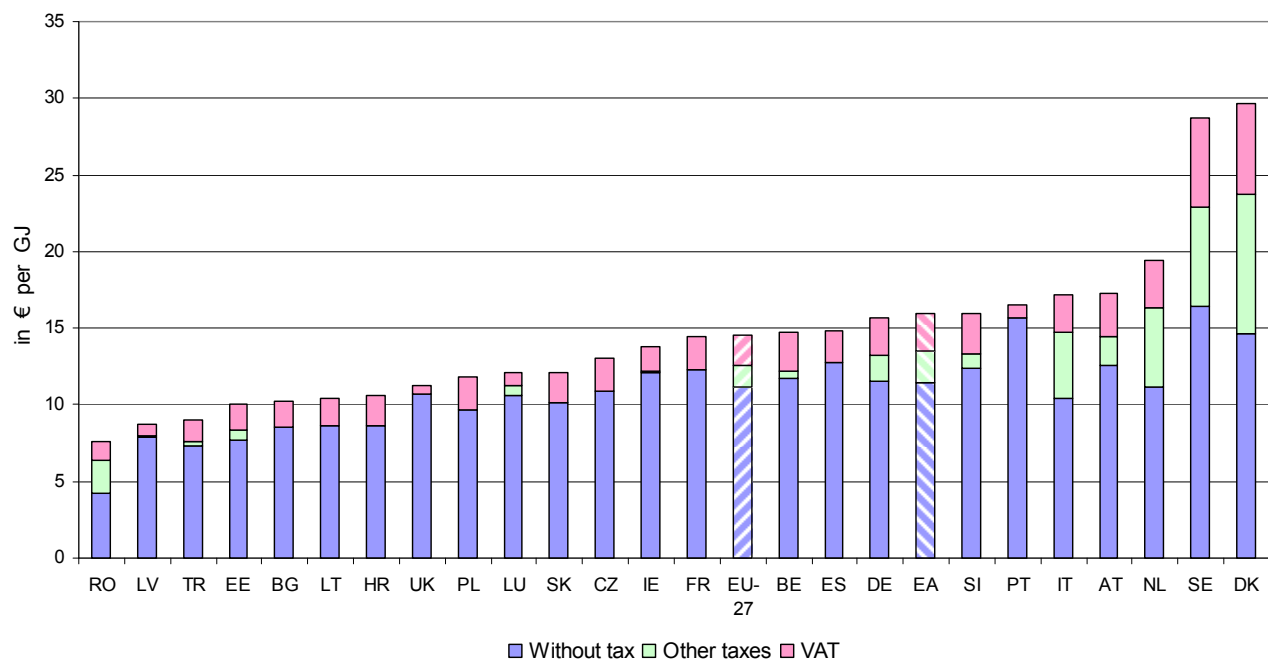
<sup>9</sup> 'Household consumers' refer to consumer band Dc (annual consumption between 2500 and 5000 kWh).

**Figure 5.3 Electricity prices for industrial consumers (2010 s01) in €/100 kWh <sup>10</sup>**



Source: Eurostat

**Figure 5.4 Gas prices for household consumers (2010 s01) in €/GJ <sup>11</sup>**

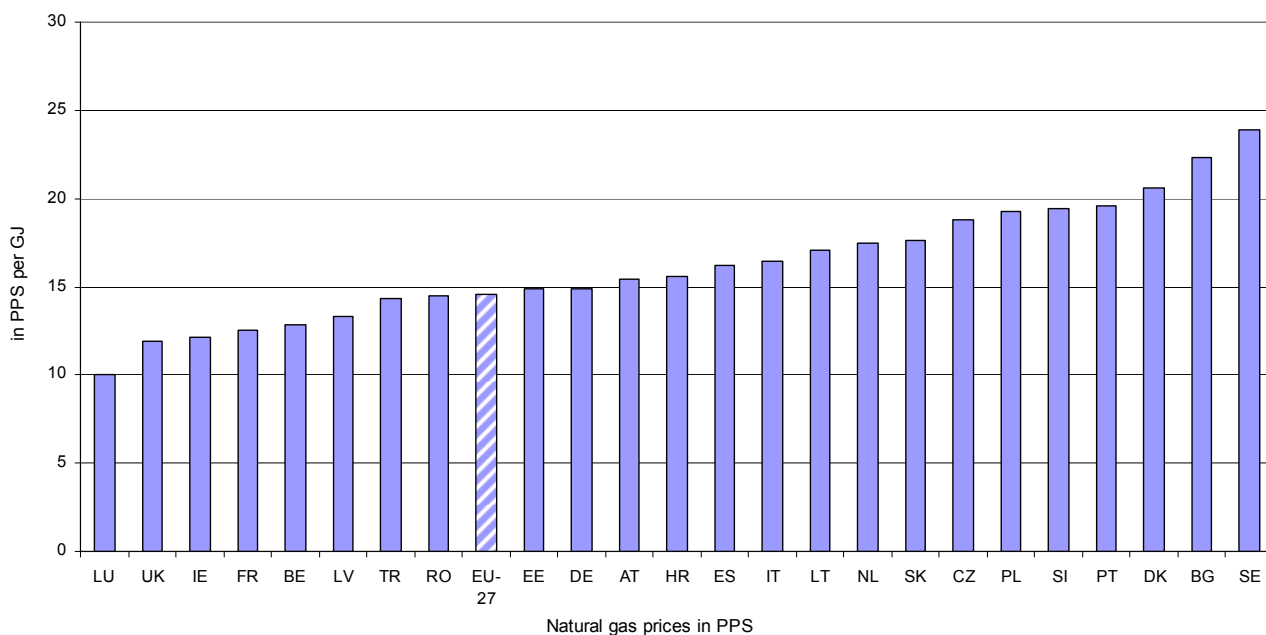


Source: Eurostat

<sup>10</sup> 'Industrial consumers' refer to consumer band Ic (annual consumption between 500 and 2000 MWh).

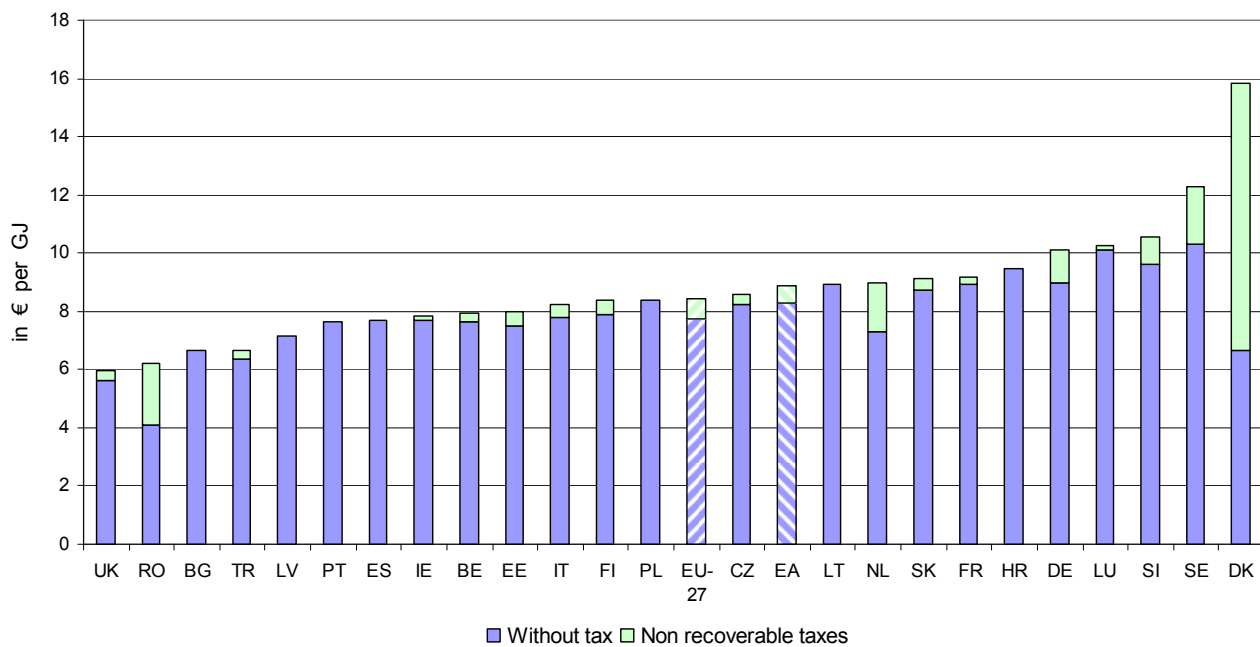
<sup>11</sup> 'Household consumers' refer to consumer band D2 (annual consumption between 20 and 200 GJ).

**Figure 5.5 Gas prices for household consumers (2010 s01) in PPP per GJ (all taxes included)**



Source: Eurostat

**Figure 5.6 Gas prices for industrial consumers (2010 s01)<sup>12</sup> in €/GJ**



Source: Eurostat

<sup>12</sup> 'Industrial consumers' refer to consumer band I3 (annual consumption between 10 000 and 100 000 GJ).

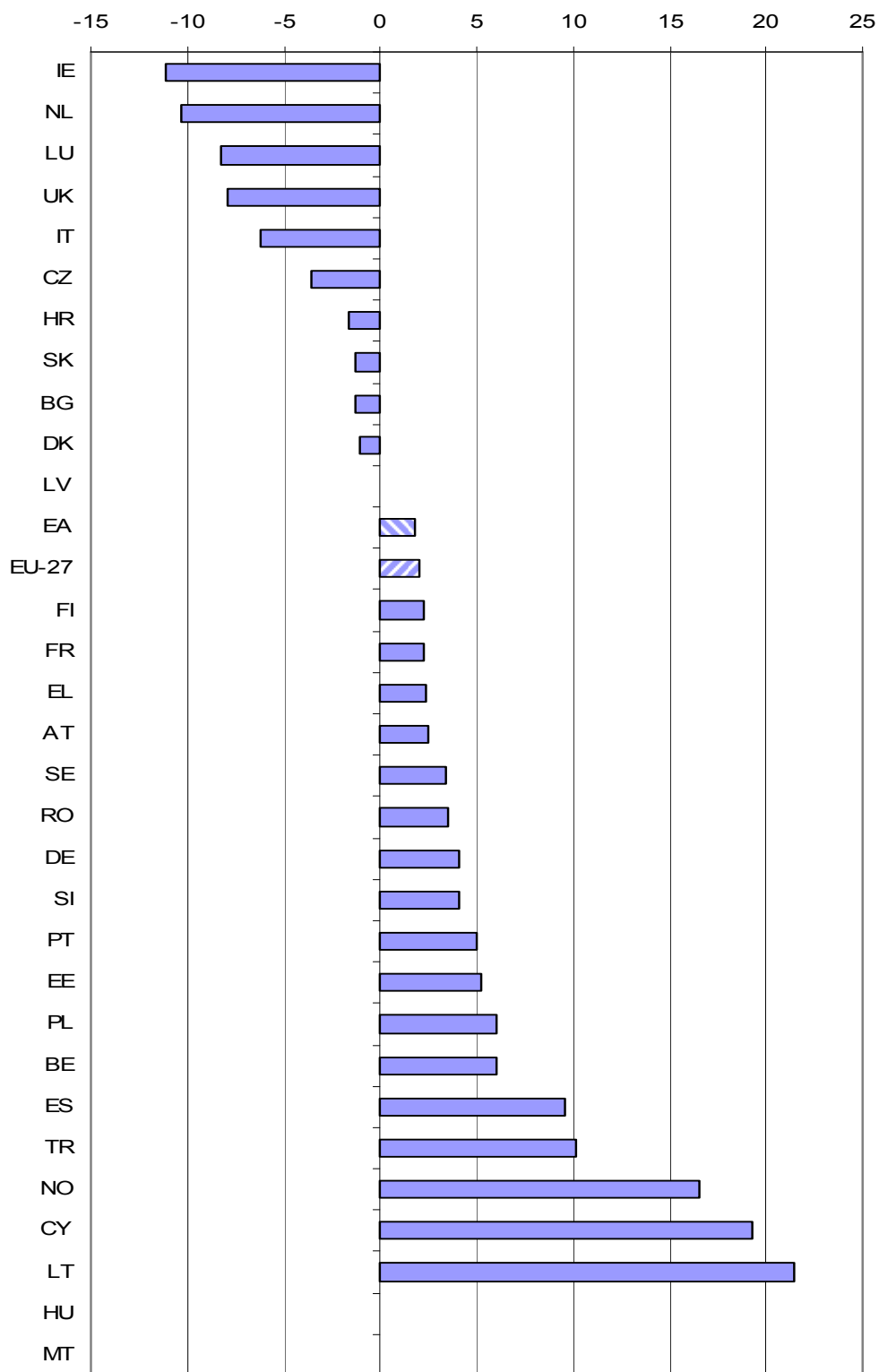
**Table 5.7 Increase electricity price household consumers 2009 s01 – 2010 s1**

Band DC: 2500 kWh<C<5000 kWh				Band DD: 5000 kWh<C<15000 kWh			
	2009s01	2010s01	Δ%		2009s01	2010s01	Δ%
PT	0,1264	0,1093	-13,53	PT	0,1146	0,0987	-13,87
NL	0,1440	0,1266	-12,08	NL	0,1330	0,1162	-12,63
LU	0,1619	0,1433	-11,49	IE	0,1619	0,1420	-12,29
IE	0,1789	0,1589	-11,18	EL	0,1253	0,1105	-11,81
EL	0,1055	0,0975	-7,58	LU	0,1476	0,1323	-10,37
DK	0,1239	0,1168	-5,73	SK	0,1247	0,1142	-8,42
UK	0,1399	0,1321	-5,58	DK	0,1068	0,0990	-7,30
EE	0,0712	0,0695	-2,39	UK	0,1253	0,1179	-5,91
BG	0,0685	0,0675	-1,46	EE	0,0682	0,0661	-3,08
DE	0,1401	0,1381	-1,43	SI	0,1013	0,0994	-1,88
SK	0,1294	0,1277	-1,31	EA	0,1190	0,1179	-0,92
EA	0,1246	0,1234	-0,96	BG	0,0680	0,0675	-0,74
FR	0,0926	0,0922	-0,43	EU27	0,1149	0,1144	-0,44
EU27	0,1227	0,1223	-0,33	DE	0,1272	0,1272	0,00
LV	0,0957	0,0954	-0,31	LV	0,0954	0,0954	0,00
SI	0,1056	0,1057	0,09	CZ	0,0914	0,0917	0,33
CZ	0,1102	0,1108	0,54	FI	0,0852	0,0869	2,00
FI	0,0974	0,0998	2,46	FR	0,0798	0,0816	2,26
AT	0,1380	0,1431	3,70	AT	0,1263	0,1298	2,77
RO	0,0814	0,0856	5,16	BE	0,1255	0,1308	4,22
BE	0,1431	0,1549	8,25	ES	0,1203	0,1271	5,65
ES	0,1294	0,1417	9,51	RO	0,0783	0,0840	7,28
SE	0,1040	0,1195	14,90	CY	0,1379	0,1550	12,40
PL	0,0883	0,1049	18,80	PL	0,0834	0,0963	15,47
LT	0,0799	0,0955	19,52	SE	0,0847	0,1001	18,18
CY	0,1336	0,1597	19,54	LT	0,0754	0,0912	20,95
NO	0,1131	0,1484	31,21	NO	0,0793	0,1083	36,57
MT	NA	NA		IT	NA	NA	
IT	NA	NA		HU	NA	NA	
HU	NA	NA		MT	NA	NA	

(Prices in €/kWh, end prices without taxes) – sorted by Δ %

Source: Eurostat; Δ calculation by DG ENER

**Figure 5.7- % increase electricity price for household consumers in national currency per 100kWh (all taxes included) 2009s01-2010s01**



Source: Eurostat-Data refer to consumers in band DC

**Table 5.8 Increase in electricity prices for industrial consumers 2009 s01 – 2010 s01**

(Prices in €/kWh, end prices without taxes) – sorted by  $\Delta$  %

Band IC: 500 MWh< Consumption<2000 MWh			
	2009s01	2010s01	$\Delta$ %
SK	0,1416	0,1161	-18,01
LU	0,1096	0,0956	-12,77
UK	0,1077	0,0947	-12,07
EL	0,0948	0,0855	-9,81
NL	0,0940	0,0853	-9,26
BE	0,1026	0,0943	-8,09
IE	0,1206	0,1118	-7,30
SI	0,0987	0,0926	-6,18
DE	0,0975	0,0921	-5,54
EA	0,0965	0,0920	-4,66
EU27	0,0952	0,0918	-3,57
CZ	0,1057	0,1022	-3,31
PT	0,0919	0,0896	-2,50
EE	0,0587	0,0573	-2,39
LV	0,0896	0,0890	-0,67
BG	0,0639	0,0639	0,00
FI	0,0663	0,0667	0,60
ES	0,1098	0,1110	1,09
FR	0,0667	0,0687	3,00
RO	0,0811	0,0850	4,81
LT	0,0924	0,0991	7,25
PL	0,0857	0,0929	8,40
DK	0,0738	0,0848	14,91
SE	0,0662	0,0800	20,85
CY	0,1164	0,1483	27,41
NO	0,0669	0,0893	33,48
IT	NA	NA	
AT	NA	NA	
HU	NA	NA	
MT	NA	NA	

Band ID: 2000 MWh< Consumption<20000 MWh			
	2009s01	2010s01	$\Delta$ %
IE	0,1070	0,0833	-22,15
SK	0,1263	0,1045	-17,26
LU	0,0901	0,0761	-15,54
UK	0,0986	0,0839	-14,91
EL	0,0829	0,0737	-11,10
NL	0,0880	0,0792	-10,00
BE	0,0928	0,0837	-9,81
PT	0,0830	0,0759	-8,55
EA	0,0852	0,0807	-5,28
DE	0,0843	0,0800	-5,10
EU27	0,0845	0,0807	-4,50
BG	0,0588	0,0568	-3,40
ES	0,0907	0,0882	-2,76
LV	0,0849	0,0826	-2,71
RO	0,0734	0,0716	-2,45
CZ	0,0929	0,0929	0,00
SI	0,0773	0,0784	1,42
FR	0,0620	0,0638	2,90
FI	0,0631	0,0653	3,49
PL	0,0761	0,0803	5,52
EE	0,0507	0,0546	7,69
DK	0,0725	0,0843	16,28
LT	0,0781	0,0912	16,77
SE	0,0587	0,0713	21,47
CY	0,1061	0,1378	29,88
NO	0,0565	0,0749	32,57
IT	NA	NA	
AT	NA	NA	
HU	NA	NA	
MT	NA	NA	

Source: Eurostat -  $\Delta$  calculation by DG ENER

**Table 5.8 (cont) Increase in electricity prices for industrial consumers 2009 s01 – 2010 s01**

(Prices in €/kWh, end prices without taxes) – sorted by  $\Delta$  %

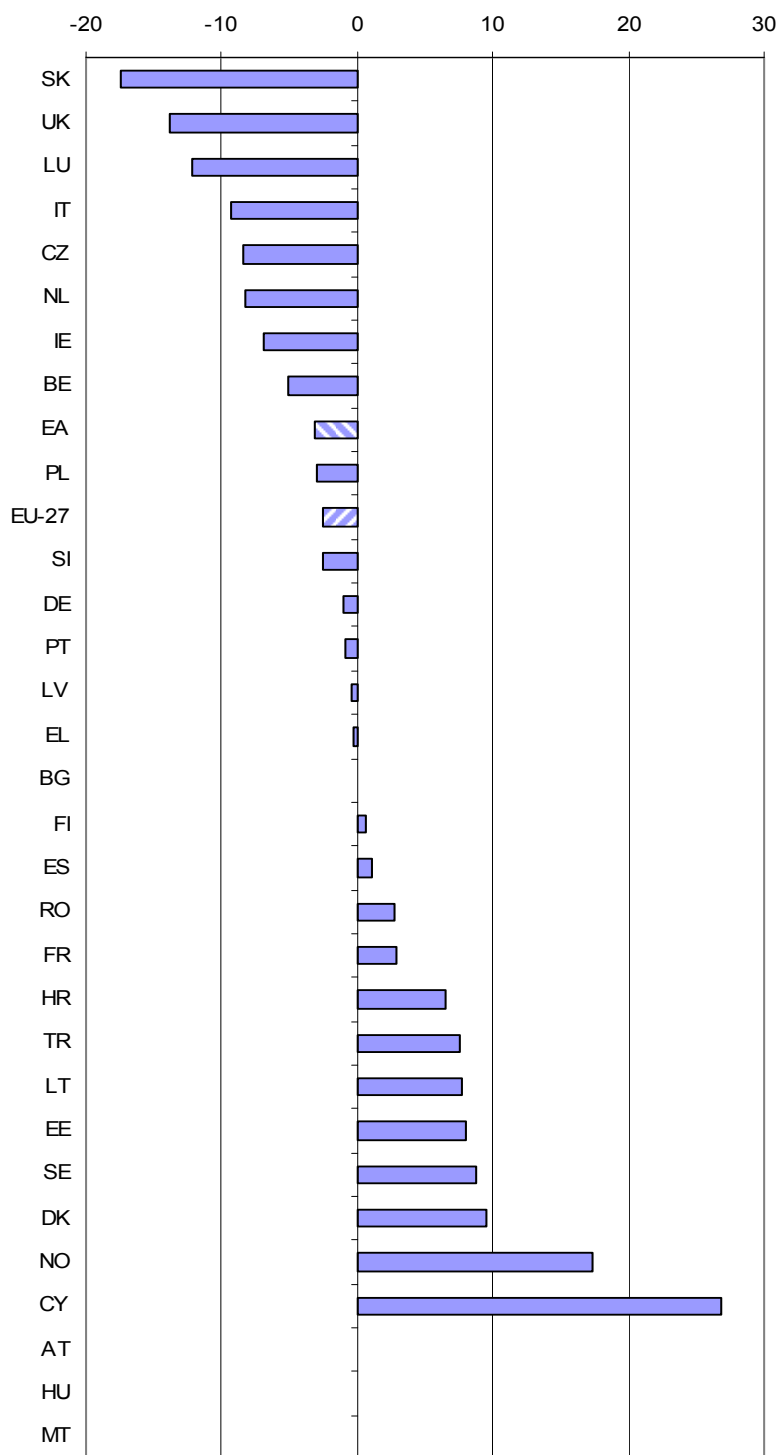
Band IE: 20000 MWh< Consumption<70000 MWh			
	2009s01	2010s01	$\Delta$ %
IE	0,0957	0,0757	-20,90
UK	0,0974	0,0809	-16,94
BE	0,0856	0,0716	-16,36
NL	0,0880	0,0743	-15,57
SK	0,1097	0,0966	-11,94
DE	0,0788	0,0700	-11,17
EL	0,0739	0,0664	-10,15
ES	0,0794	0,0722	-9,07
EA	0,0784	0,0740	-5,61
EU27	0,0785	0,0747	-4,84
RO	0,0663	0,0646	-2,56
PT	0,0667	0,0650	-2,55
LV	0,0823	0,0809	-1,70
BG	0,0527	0,0522	-0,95
LU	0,0653	0,0660	1,07
FR	0,0624	0,0647	3,69
CZ	0,0862	0,0894	3,71
PL	0,0709	0,0742	4,65
SI	0,0610	0,0646	5,90
FI	0,0520	0,0596	14,62
LT	0,0741	0,0865	16,73
EE	0,0419	0,0490	16,95
DK	0,0658	0,0777	18,09
CY	0,0983	0,1280	30,21
SE	0,0522	0,0693	32,76
NO	0,0474	0,0677	42,83
IT	NA	NA	
AT	NA	NA	
HU	NA	NA	
MT	NA	NA	

Band IF: 70000 MWh< Consumption<150000 MWh			
	2009s01	2010s01	$\Delta$ %
IE	0,0874	0,0557	-36,27
PT	0,0635	0,0503	-20,79
BE	0,0789	0,0642	-18,63
UK	0,0952	0,0785	-17,54
NL	0,0900	0,0745	-17,22
DE	0,0779	0,0661	-15,15
EE	0,0405	0,0364	-10,12
EA	0,0718	0,0660	-8,08
ES	0,0692	0,0643	-7,08
EU27	0,0728	0,0678	-6,87
EL	0,0627	0,0585	-6,70
BG	0,0465	0,0455	-2,15
SK	0,0945	0,0926	-2,01
LV	0,0729	0,0726	-0,41
RO	0,0593	0,0591	-0,34
CZ	0,0859	0,0888	3,38
FR	0,0518	0,0538	3,86
SI	0,0674	0,0707	4,90
PL	0,0690	0,0727	5,36
FI	0,0517	0,0578	11,80
DK	0,0658	0,0777	18,09
CY	0,0985	0,1283	30,25
SE	0,0491	0,0645	31,36
NO	0,0298	0,0460	54,36
IT	NA	NA	
LU	NA	NA	
AT	NA	NA	
HU	NA	NA	
LT	NA	NA	
MT	NA	NA	

Source: Eurostat  $\Delta$  calculation by DG ENER



**Figure 5.8- % increase electricity price for industrial consumers in national currency per 100kWh (VAT and all other recoverable taxes and levies excluded) 2009s01-2010s01**



Source EUROSTAT – Data refer to consumers in band IC

**Table 5.9 Increase gas prices household consumers 2009 s01 – 2010 s1**

(Prices in €/Gigajoules, end prices without taxes) – sorted by  $\Delta$  %

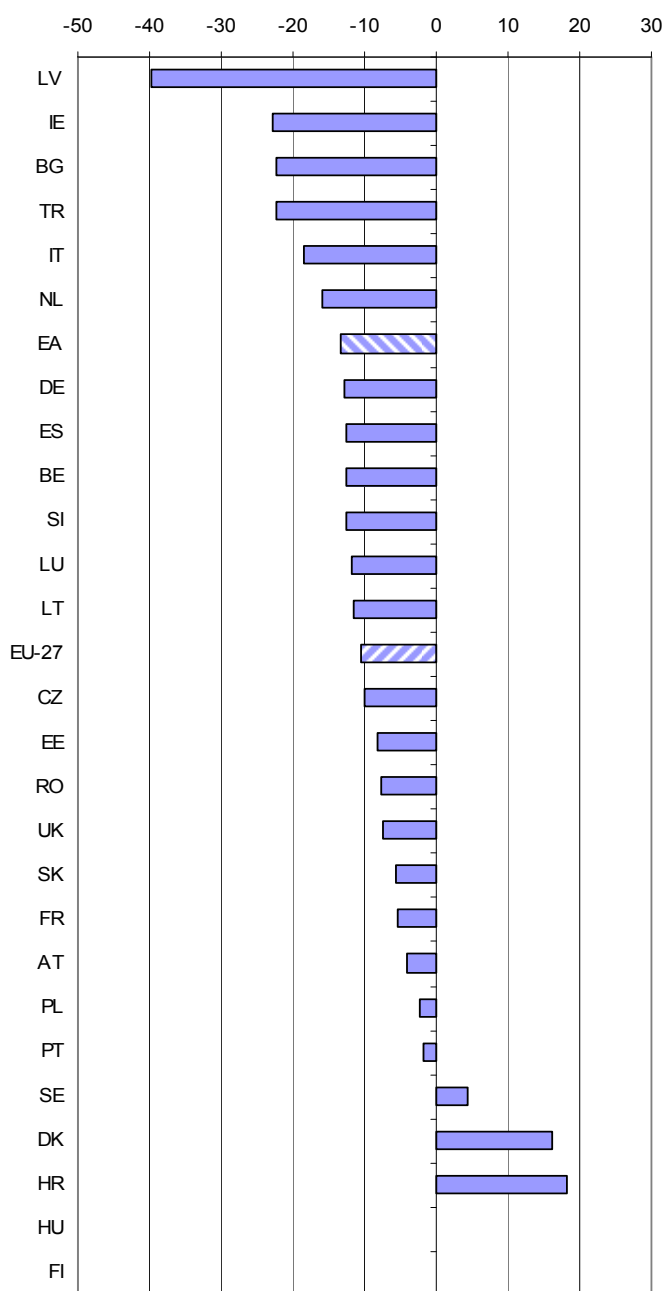
Band D1: Consumption<20 GJ			
	2009s01	2010s01	$\Delta$ %
LU	19,0800	12,5700	-34,12
LV	20,2039	13,9640	-30,88
BG	11,0287	8,4109	-23,74
IE	16,9100	13,3500	-21,05
IT	15,2350	12,5160	-17,85
NL	20,8200	17,5500	-15,71
RO	4,8556	4,2014	-13,47
LT	16,2928	14,4417	-11,36
DE	21,0700	18,9700	-9,97
<b>EA</b>	<b>20,0936</b>	<b>18,1180</b>	<b>-9,83</b>
BE	19,7900	17,9200	-9,45
EE	9,3048	8,4383	-9,31
<b>EU27</b>	<b>17,4223</b>	<b>16,0680</b>	<b>-7,77</b>
ES	17,6400	16,3107	-7,54
PT	20,8700	19,5260	-6,44
UK	12,6314	12,1231	-4,02
AT	16,0200	15,3900	-3,93
SI	17,8700	17,1762	-3,88
SK	23,3480	22,6740	-2,89
FR	24,2100	23,7500	-1,90
CZ	16,7918	17,1527	2,15
PL	11,8108	12,9560	9,70
DK	12,3959	14,6034	17,81
SE	22,0057	29,6255	34,63
HU	11,2107	NA	
EL	NA	NA	
FI	NA	NA	
NO	NA	NA	
CY	NA	NA	
MT	NA	NA	

Band D2: 20 GJ< Consumption<200 GJ			
	2009s01	2010s01	$\Delta$ %
LV	13,2097	7,9209	-40,04
IT	14,1580	10,4490	-26,20
IE	15,7600	12,0700	-23,41
NL	14,4330	11,1900	-22,47
BG	10,9469	8,5080	-22,28
<b>EA</b>	<b>13,6563</b>	<b>11,4856</b>	<b>-15,90</b>
DE	13,4800	11,5400	-14,39
EE	8,9926	7,7148	-14,21
SI	14,4400	12,4105	-14,05
LT	9,9989	8,6206	-13,78
RO	4,8414	4,1793	-13,68
BE	13,5400	11,7500	-13,22
LU	12,1900	10,6000	-13,04
ES	14,6400	12,7863	-12,66
<b>EU27</b>	<b>12,6652</b>	<b>11,1203</b>	<b>-12,20</b>
CZ	11,5531	10,8661	-5,95
FR	13,0100	12,2500	-5,84
SK	10,7810	10,1770	-5,60
UK	11,2776	10,7288	-4,87
AT	13,1300	12,5400	-4,49
PT	15,6800	15,7050	0,16
PL	8,8525	9,6777	9,32
SE	13,9953	16,4473	17,52
DK	12,3959	14,6034	17,81
EL	NA	NA	
FI	NA	NA	
NO	NA	NA	
CY	NA	NA	
HU	11,1477	NA	
MT	NA	NA	

Band D3: Consumption>200 GJ			
	2009s01	2010s01	$\Delta$ %
LV	12,8840	7,8645	-38,96
IT	13,0290	9,7930	-24,84
IE	15,1600	11,4800	-24,27
BG	11,2281	8,6359	-23,09
NL	13,4300	10,3300	-23,08
LT	9,5771	7,8413	-18,12
<b>EA</b>	<b>12,3769</b>	<b>10,3920</b>	<b>-16,04</b>
BE	12,5700	10,6600	-15,19
EE	8,9688	7,6330	-14,89
SI	14,2600	12,1423	-14,85
RO	4,8178	4,1338	-14,20
DE	12,0900	10,4400	-13,65
<b>EU27</b>	<b>11,5186</b>	<b>10,1316</b>	<b>-12,04</b>
FR	11,8700	10,7300	-9,60
ES	11,7800	10,6912	-9,24
CZ	11,3397	10,4553	-7,80
SK	10,7920	10,0760	-6,63
AT	11,5400	10,9200	-5,37
UK	10,1141	9,7242	-3,86
PT	13,3300	12,9510	-2,84
LU	11,2000	10,9900	-1,87
PL	8,4861	8,9855	5,88
SE	13,2587	15,3236	15,57
DK	12,3959	14,6034	17,81
EL	NA	NA	
FI	NA	NA	
NO	NA	NA	
CY	NA	NA	
HU	10,8535	NA	
MT	NA	NA	

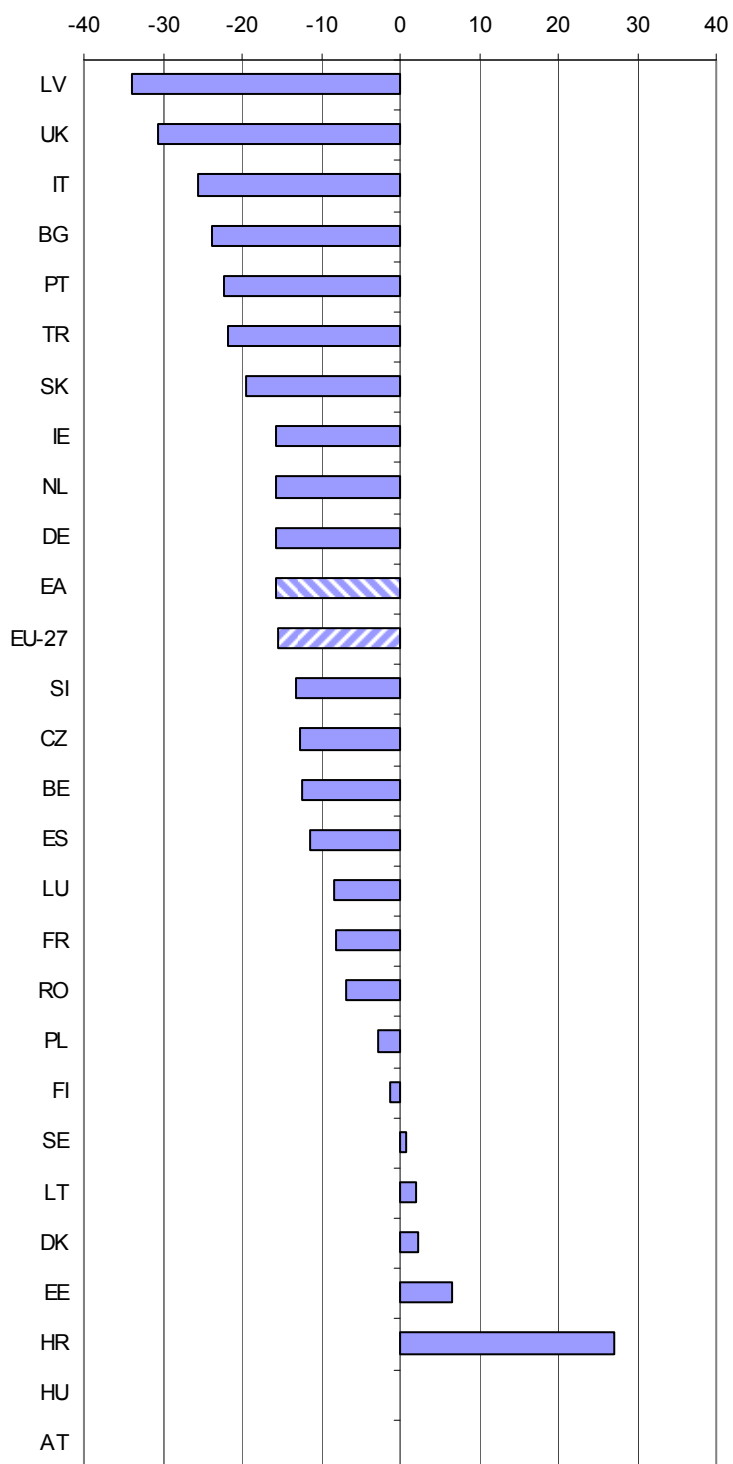
Source: Eurostat  $\Delta$  calculation by DG ENER

**Figure 5.9 % increase gas household consumers, in national currency per GJ (all taxes included) 2010 s01 and 2009 s01**



*Source EUROSTAT – data refer to consumers in band D2*

**Figure 5.10 % increase gas industrial consumers, in national currency per GJ (VAT and all other recoverable taxes and levies excluded) 2010 s01 and 2009 s01**



Source EUROSTAT – data refer to consumers in band I3

**Table 5.11 Increase in gas prices for industrial consumers 2009 s01 – 2010 s1**

(Prices in €/Gigajoules, end prices without taxes) – sorted by  $\Delta$  %

Band I1: Consumption < 1000 GJ				Band I2: 1000 GJ < Consumption < 10000 GJ				Band I3: 10000 GJ < Consumption < 100000 GJ			
	2009s01	2010s01	$\Delta$ %		2009s01	2010s01	$\Delta$ %		2009s01	2010s01	$\Delta$ %
LV	13,2380	7,9492	-39,95	LV	12,0204	7,7797	-35,28	LV	10,8594	7,1585	-34,08
IE	14,4000	10,2200	-29,03	PT	12,0100	8,9610	-25,39	UK	7,9883	5,6322	-29,49
BG	9,6942	7,2553	-25,16	IT	12,2410	9,1900	-24,92	IT	10,4020	7,7800	-25,21
NL	13,7930	10,5800	-23,29	NL	11,4740	8,6900	-24,26	BG	8,7432	6,6622	-23,80
SK	14,0990	10,8440	-23,09	BG	9,3977	7,2451	-22,91	PT	9,8100	7,6200	-22,32
LU	13,2000	10,2400	-22,42	SK	12,0980	9,3670	-22,57	SK	11,1200	8,7390	-21,41
SI	15,3600	12,2125	-20,49	IE	10,5100	8,1500	-22,45	NL	9,0190	7,3100	-18,95
PT	14,6600	11,7990	-19,52	SI	13,9600	11,0736	-20,68	IE	9,3000	7,6700	-17,53
IT	12,5820	10,2170	-18,80	UK	8,9057	7,1265	-19,98	DE	10,8600	8,9800	-17,31
RO	4,8414	4,1445	-14,39	CZ	10,0409	8,5046	-15,30	EU27	9,3016	7,7624	-16,55
EE	8,9301	7,6496	-14,34	RO	4,7965	4,1030	-14,46	EA	9,9003	8,2841	-16,32
EA	12,5662	10,8948	-13,30	EA	11,3731	9,7639	-14,15	SI	11,3400	9,6116	-15,24
ES	12,7004	11,0269	-13,18	EU27	10,6386	9,2044	-13,48	BE	8,7300	7,6400	-12,49
UK	11,5238	10,0920	-12,42	BE	10,8100	9,7100	-10,18	RO	4,6996	4,1150	-12,44
EU27	11,8868	10,4748	-11,88	FR	11,0100	9,9300	-9,81	ES	8,7020	7,7023	-11,49
BE	12,4500	11,0600	-11,16	ES	9,9348	9,0174	-9,23	DK	7,3820	6,6540	-9,86
DE	12,0700	10,9000	-9,69	DE	11,7100	10,6600	-8,97	LU	11,0800	10,1300	-8,57
CZ	11,1540	10,3372	-7,32	EE	8,3436	7,6956	-7,77	CZ	8,9816	8,2283	-8,39
FR	12,1800	11,4300	-6,16	LU	12,1600	11,5500	-5,02	FR	9,7600	8,9500	-8,30
LT	9,6047	9,1092	-5,16	LT	9,3088	8,9969	-3,35	FI	8,0000	7,9000	-1,25
PL	9,0022	9,8401	9,31	PL	8,4995	9,2204	8,48	LT	8,7301	8,9116	2,08
SE	12,5221	14,7106	17,48	SE	11,1410	12,5653	12,78	EE	7,3011	7,5019	2,75
DK	12,3959	14,6034	17,81	DK	12,3959	14,6034	17,81	PL	7,7331	8,4008	8,63
EL	NA	NA		EL	NA	NA		SE	9,2995	10,3179	10,95
AT	NA	NA		AT	NA	NA		EL	NA	NA	
FI	NA	NA		FI	NA	NA		AT	NA	NA	
NO	NA	NA		NO	NA	NA		NO	NA	NA	
CY	NA	NA		CY	NA	NA		CY	NA	NA	
HU	11,1544	NA		HU	10,9976	NA		HU	10,0444	NA	
MT	NA	NA		MT	NA	NA		MT	NA	NA	

Source: Eurostat  $\Delta$  calculation by DG ENER

**Table 5.11(cont) Increase in gas prices for industrial consumers 2009 s01 – 2010 s01**

(Prices in €/Gigajoules, end prices without taxes) – sorted by  $\Delta$  %

Band I4:100000 GJ< Consumption<1 000 000 GJ				Band I5:1 000 000 GJ< Consumption<4 000 000 GJ			
	2009s01	2010s01	$\Delta$ %		2009s01	2010s01	$\Delta$ %
LV	10,3356	6,7914	-34,29	LV	9,4011	6,2549	-33,47
IE	8,7200	6,3500	-27,18	BG	8,0223	5,7930	-27,79
UK	7,1380	5,2069	-27,05	SK	9,7840	7,1550	-26,87
BG	8,1399	6,0027	-26,26	UK	5,7619	4,5058	-21,80
IT	9,0360	7,1400	-20,98	NL	7,0980	5,6800	-19,98
SK	9,9400	7,8760	-20,76	IT	8,8000	7,2200	-17,95
NL	8,2810	6,5800	-20,54	PT	8,5500	7,0220	-17,87
BE	8,0300	6,4200	-20,05	FR	7,0900	6,0100	-15,23
EU27	8,0118	6,9013	-13,86	BE	6,4200	5,8000	-9,66
EA	8,4239	7,3071	-13,26	RO	4,2271	3,8245	-9,52
CZ	8,1367	7,2671	-10,69	DE	7,7000	6,9700	-9,48
FR	8,2300	7,3800	-10,33	CZ	7,8349	7,1066	-9,30
ES	7,4764	6,7861	-9,23	ES	6,9206	6,4272	-7,13
DE	8,8400	8,1100	-8,26	FI	7,1000	6,9000	-2,82
LU	7,3500	6,7600	-8,03	EE	6,8414	6,9376	1,41
RO	4,4397	4,0929	-7,81	PL	6,1691	6,6817	8,31
DK	6,6812	6,3745	-4,59	SE	7,5501	8,9898	19,07
FI	7,7000	7,4000	-3,90	EU27	NA	NA	
PT	7,1000	7,2150	1,62	EA	NA	NA	
EE	6,9133	7,1594	3,56	DK	NA	NA	
PL	6,9176	7,3988	6,96	EL	NA	NA	
LT	7,1847	7,9744	10,99	IE	NA	NA	
SE	7,5501	9,6028	27,19	LU	NA	NA	
EL	NA	NA		AT	NA	NA	
AT	NA	NA		NO	NA	NA	
NO	NA	NA		CY	NA	NA	
CY	NA	NA		HU	8,1868	NA	
HU	8,6338	NA		LT	NA	7,1329	
MT	NA	NA		MT	NA	NA	
SI	NA	7,9175		SI	NA	NA	

Source: Eurostat  $\Delta$  calculation by DG ENER

**Table 5.12 Overview % increases of end prices 2009 s01 – 2010 s01 per Member State**

	Household Consumers						Industrial Consumers					
	Electricity		Gas				Electricity		Gas			
	DC	DD	D1	D2	D3		IC	ID	I1	I2	I3	I4
Austria	3,7	2,77	-3,93	-4,49	-5,37	Austria	na	na	na	na	na	na
Belgium	8,25	4,22	-9,45	-13,22	-15,19	Belgium	-8,09	-9,81	-11,16	-10,18	-12,49	-20,05
Bulgaria	-1,46	-0,74	-23,74	-22,28	-23,09	Bulgaria	0	-3,4	-25,16	-22,91	-23,8	-26,26
Czech Republic	0,54	0,33	2,15	-5,95	-7,8	Czech Republic	-3,31	0	-22,62	-15,3	-8,39	-10,69
Cyprus	19,54	12,4	na	na	na	Cyprus	27,41	29,88	na	na	na	na
Denmark	-5,73	-7,3	17,81	17,81	17,81	Denmark	14,91	16,28	17,81	17,81	-9,86	-4,59
Estonia	-2,39	-3,08	-9,31	-14,21	-14,89	Estonia	-2,39	7,69	-14,34	-7,77	2,75	3,56
Finland	2,46	2	na	na	na	Finland	0,6	3,49	na	na	-1,25	-3,9
France	-0,43	2,26	-1,9	-5,84	-9,6	France	3	2,9	-6,16	-9,81	-8,3	-10,33
Germany	-1,43	0	-9,97	-14,39	-13,65	Germany	-5,54	-5,1	-9,69	-8,97	-17,31	-8,26
Greece	-7,58	-11,81	na	na	na	Greece	-9,81	-11,1	na	na	na	na
Hungary	na	na	na	na	na	Hungary	na	na	na	na	na	na
Ireland	-11,18	-12,29	-21,05	-23,41	-24,27	Ireland	-7,3	-22,15	-29,03	-22,45	-17,53	-27,18
Italy	na	na	-17,85	-26,2	-24,84	Italy	na	na	-18,8	-24,92	-25,21	-20,98
Latvia	-0,31	0	-30,88	-40,04	-38,96	Latvia	-0,67	-2,71	-39,95	-35,28	-34,08	-34,29
Lithuania	19,52	20,95	-11,36	-13,78	-18,12	Lithuania	7,25	16,77	-5,16	-3,35	2,08	10,99
Luxembourg	-11,49	-10,37	-34,12	-13,04	-1,87	Luxembourg	-12,77	-15,54	-22,42	-5,02	-8,57	-8,03
Malta	na	na	na	na	na	Malta	na	na	na	na	na	na
Netherlands	-12,08	-12,63	-15,71	-22,47	-23,08	Netherlands	-9,26	-10	-23,29	-24,26	-18,95	-20,54
Poland	18,8	15,47	9,7	9,32	5,88	Poland	8,4	5,52	9,31	8,48	8,63	6,96
Portugal	-13,53	-13,87	-6,44	0,16	-2,84	Portugal	-2,5	-8,55	-19,52	-25,39	-22,32	1,62
Romania	5,16	7,28	-13,47	-13,68	-14,2	Romania	4,81	-2,45	-14,39	-14,46	-12,44	-7,81
Slovenia	0,09	-1,88	-3,88	-14,05	-14,85	Slovenia	-6,18	1,42	-20,49	-20,68	-15,24	na
Slovakia	-1,31	-8,42	-2,89	-5,6	-6,63	Slovakia	-18,01	-17,26	-23,09	-22,57	-21,41	-20,76
Spain	9,51	5,65	-7,54	-12,66	-9,24	Spain	1,09	-2,76	-13,18	-9,23	-11,49	-9,23
Sweden	14,9	18,18	34,63	17,52	15,57	Sweden	20,85	21,47	17,48	12,78	10,95	27,19
United Kingdom	-5,58	-5,91	-4,02	-4,87	-3,86	United Kingdom	-12,07	-14,91	-12,42	-19,98	-29,49	-27,05
<b>EU Average</b>	<b>-0,33</b>	<b>-0,44</b>	<b>-7,77</b>	<b>-12,2</b>	<b>-12,04</b>	<b>EU Average</b>	<b>-3,57</b>	<b>-4,5</b>	<b>-11,88</b>	<b>-13,48</b>	<b>-16,55</b>	<b>-13,86</b>

Based on  $\Delta$  % calculations in previous tables.

## 6. NETWORK ACCESS

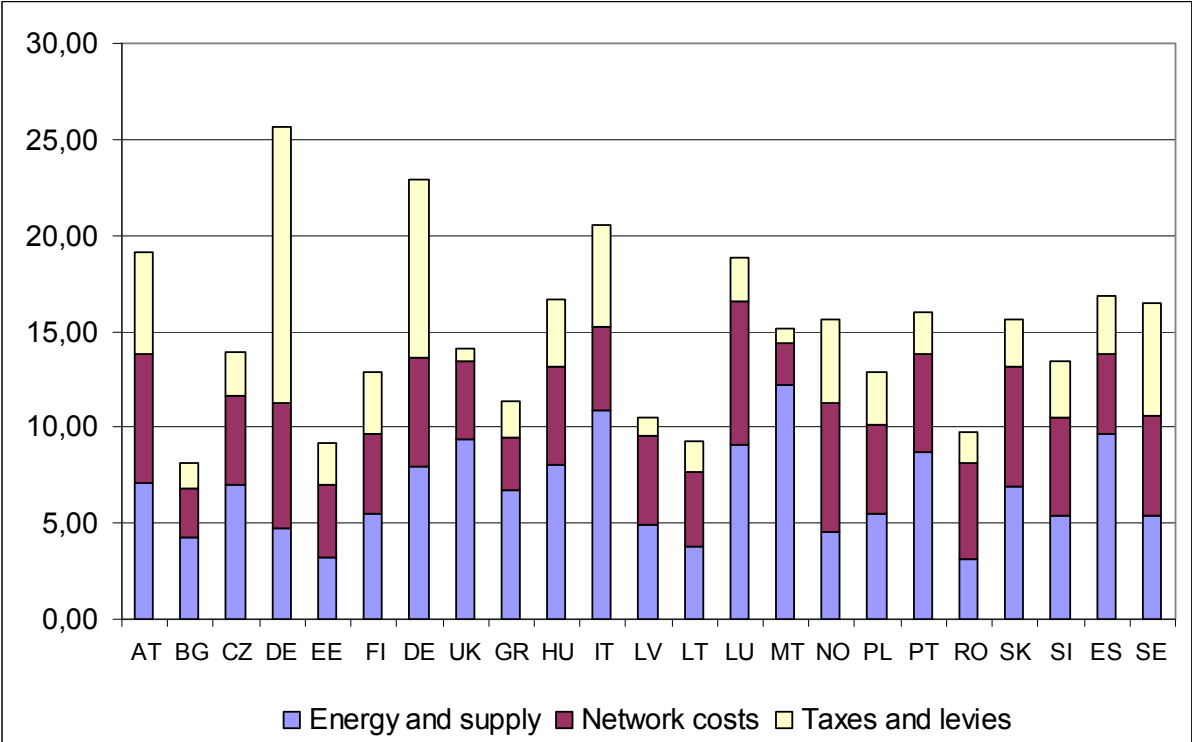
Table 6.1 Composition of household electricity prices in 2009

	Composition of the household prices in € per 100 kWh				Share in price without tax (%)	
	TOTAL PRICE	Energy and supply	Network costs	Taxes and levies	Energy and supply	Network costs
<b>Austria</b>	<b>19,09</b>	7,10	6,71	5,29	51,4	48,6
<b>Belgium</b>	<b>18,82</b>	NA	NA	NA	NA	NA
<b>Bulgaria</b>	<b>8,18</b>	4,29	2,51	1,38	63,2	36,8
<b>Cyprus</b>	<b>16,42</b>	NA	NA	NA	NA	NA
<b>Czech Republic</b>	<b>13,94</b>	6,99	4,62	2,33	60,2	39,8
<b>Denmark</b>	<b>25,53</b>	4,70	6,58	14,38	41,7	58,3
<b>Estonia</b>	<b>9,20</b>	3,25	3,71	2,24	46,7	53,3
<b>Finland</b>	<b>12,89</b>	5,51	4,17	3,21	56,9	43,1
<b>France</b>	<b>12,25</b>	NA	NA	NA	NA	NA
<b>Germany</b>	<b>22,94</b>	7,98	5,61	9,34	58,7	41,3
<b>Great Britain</b>	<b>14,07</b>	9,34	4,05	0,68	69,7	30,3
<b>Greece</b>	<b>10,32</b>	6,73	2,69	1,90	71,4	28,6
<b>Hungary</b>	<b>16,62</b>	8,01	5,19	3,42	60,7	39,3
<b>Ireland</b>	<b>18,55</b>	NA	NA	NA	NA	NA
<b>Italy</b>	<b>19,97</b>	10,84e	4,42e	5,24e	71,0e	29,0e
<b>Latvia</b>	<b>10,54</b>	4,93	4,64	0,96	51,6	48,4
<b>Lithuania</b>	<b>9,26</b>	3,77	3,91	1,58	49,1	50,9
<b>Luxembourg</b>	<b>18,82</b>	9,09	7,45	2,29	55,0	45,0
<b>Malta</b>	<b>15,13</b>	12,18e	2,20e	0,76	84,7e	15,3e
<b>Norway</b>	<b>15,63</b>	4,54	6,69	4,40	40,4	59,6
<b>Poland</b>	<b>12,91</b>	5,51	4,59	2,80	54,5	45,5
<b>Portugal</b>	<b>15,94</b>	8,70	5,14	2,11	62,9	37,1
<b>Romania</b>	<b>9,79</b>	3,14	5,02	1,64	38,5	61,5
<b>Slovak Republic</b>	<b>15,60</b>	6,91	6,20	2,49	52,7	47,3
<b>Slovenia</b>	<b>13,41</b>	5,40	5,11	2,91	51,4	48,6
<b>Spain</b>	<b>16,84</b>	9,67	4,14	3,03	70,0	30,0
<b>Sweden</b>	<b>16,46</b>	5,42	5,19	5,88	51,1	48,9
<b>The Netherlands</b>	<b>18,41</b>	NA	NA	NA	NA	NA

Source Eurostat



Figure 6- Composition of household electricity prices in 2009



**Table 6.2 Composition of industrial electricity prices in 2009**

	Composition of the industrial prices in € per 100 kWh				Share in price without tax (%)	
	TOTAL PRICE	Energy and supply	Network costs	Taxes and levies	Energy and supply	Network costs
<b>Austria</b>	na	na	na	na	na	na
<b>Belgium</b>	11,05	na	na	na	na	na
<b>Bulgaria</b>	6,39	5,01	1,33	0,05	79,0	21,0
<b>Cyprus</b>	14,94	na	na	na	na	na
<b>Czech Republic</b>	11,22	7,88	3,22	0,12	71,0	29,0
<b>Denmark</b>	9,27	4,03	3,90	1,34	50,8	49,2
<b>Estonia</b>	6,45	3,07	2,68	0,71	53,3	46,7
<b>Finland</b>	6,83	4,88	1,68	0,26	74,4	25,6
<b>France</b>	6,56	na	na	na	na	na
<b>Germany</b>	11,34	7,13	2,45	1,76	74,4	25,6
<b>Great Britain</b>	10,12	7,49	2,24	0,39	77,0	23,0
<b>Greece</b>	9,36	6,76	1,77	0,83	79,2	20,8
<b>Hungary</b>	12,97	9,91	2,85	0,21	77,7	22,3
<b>Ireland</b>	11,75	8,43	3,47	0,00	70,8	29,2
<b>Italy</b>	13,70	10,10	2,15	2,24	82,40	17,60
<b>Latvia</b>	8,93	5,81	3,13	0,00	65,0	35,0
<b>Lithuania</b>	7,90	3,74	4,15	0,00	47,4	52,6
<b>Luxembourg</b>	11,58	8,66	2,51	0,41	77,5	22,5
<b>Malta</b>	12,91	10,71	2,20	0,00	82,96	17,04
<b>Norway</b>	7,95	3,86	2,82	1,26	57,8	42,2
<b>Poland</b>	9,33	6,06	2,80	0,48	68,4	31,6
<b>Portugal</b>	9,44	6,98	2,34	0,13	74,9	25,1
<b>Romania</b>	8,28	5,16	3,12	0,00	62,3	37,7
<b>Slovak Republic</b>	14,03	8,76	5,20	0,07	62,8	37,2
<b>Slovenia</b>	9,62	7,22	2,00	0,41	78,3	21,7
<b>Spain</b>	11,20	7,46	3,20	0,54	70,0	30,0
<b>Sweden</b>	6,89	4,73	2,12	0,05	69,1	30,9
<b>The Netherlands</b>	11,07	na	na	na	na	na

**Table 6.3 Access Conditions to Gas Transmission networks in 2009**

Transmission				
	Tariff model	Congestion management	Capacity allocation mechanism	Balancing model applied
Austria	3	NAP	5	2,3
Belgium	1,2	4,5,6,7,8,	1	1,2,3
Bulgaria	3	7	1	1,3
Cyprus	NAP	NAP	NAP	NAP
Czech Rep.	2, 3	2, 6, 7	3	2
Denmark	2	5,6,7	1,2,3	2,3
Estonia	1	-	1	NAP
Finland	-3	NAP	NAP	2
France	2	1,2,5,6,7	1,2,3,5	1,3
Germany	2	6,7	1	1,2,3
Great Britain	2	4,5,6,7	1,2,5	NA
Greece	NAP	5	1	2
Hungary	1	1,2,5,6,7	1,2,3,5	1,2,3
Ireland	2	6	1	2
Italy	2	2,6,7	3	3
Latvia <sup>13</sup>	1	NAP	NAP	NAP
Lithuania	NAP <sup>14</sup>	7	1	1
Luxembourg	1	NAP	1	1
Malta	NAP	NAP	NAP	NAP
Northern Ireland	3	5,6,7	1	2
Norway				
Poland	3	2,5,6,7,8	1	2,3
Portugal	2	1;5	4,5	3
Romania <sup>15</sup>	NAP	NAP	1	3
Slovak Republic	2	6,7	1	2
Slovenia	NAP <sup>16</sup>	2, 6, 7	4	1
Spain	2,1	1,2,5,6,7	1,2,3,5	2,3
Sweden	2	---	5	2
Netherlands	2	5,7	1	2

Source: Regulators' data

Note:

Tariff model (1- entry exit coupled, 2- entry exit uncoupled, 3- point-to point);

Congestion management (1- auction, 2-pro rata, 3- lottery 4- capacity by back, 5- UIOLI, 6- secondary market, 7- Interruptible capacity, 8- use it or sale it).;

Capacity allocation mechanism (1- first come first served, 2- auction, 3- pro rata, 4- allocation on deadline, 5- capacity goes with the costumer);

Balancing model applied (1- TSO buys balancing gas on the regular market, 2- TSO contracts sources of balancing gas, 3- TSO uses storage for balancing).

<sup>13</sup> LV: market opening from 04/04/2014.

<sup>14</sup> LT: post stamp tariff

<sup>15</sup> RO: Tariff model: The mechanisms for calculation of prices and regulated tariffs are of „revenue-cap” type for regulated underground storage, and „price-cap” for regulated distribution and supply. For the second regulatory period (2007-2012), until the “entry-exit” pricing system shall be introduced, the tariff for the transmission through the national transmission system is unique and has a binomial structure model. Congestion management: In order to settle the congestions, the approved but unused capacity may make up the object of: a) voluntary return to the TSO; b) capacity transfer facility CTF; c) mandatory transfer from one network user to another by the TSO

<sup>16</sup> SI: Tariff model: postage stamp method

## 7. UNBUNDLING

**Table 7.1 Unbundling of Network Operators Electricity Transmission (2009)**

Electricity	Number of TSOs	Number of TSOs Ownership Unbundled	Public Ownership	Private Ownership	TSO network assets	
					with	without
Austria	3	0	76,5	23,5	1	2
Belgium	1	0	35,55	64,45	1	0
Bulgaria	1	0	100	0	0	1
Cyprus	1	0	100	0	0	1
Czech Republic	1	1	100	0	1	0
Denmark	1	1	100	0	1	0
Estonia	1	0	100	0	1	0
Finland	1	1	12	88	1	0
France	1	0	84,48	15,52	1	0
Germany	4	2	0	100	2	2
Great Britain <sup>17</sup>	1	1	0	100	1	0
Greece	1	0	51	49	0	1
Hungary	1	0	0,01	99,99	1	0
Ireland	1	1	100	0	0	1
Italy	9	1	30	70	9	0
Latvia	1	0	100	0	0	1
Lithuania	1	0	61,7	38,3	1	0
Luxembourg	1	0	39	61	1	0
Malta	0	0	100	0	0	0
Northern Ireland	1	1	0	100	0	1
Norway	1	1	100	0	1	0
Poland	1	1	100	0	1	0
Portugal	3	1	51	49	1	2
Romania	1	1	73,7	26,3	1	0
Slovak Republic	1	1	100	0	1	0
Slovenia	1	1	100	0	1	0
Spain	1	1	20	80	1	0
Sweden	1	1	100	0	1	0
The Netherlands	1	1	100	0	1	0

Source: Regulators data

<sup>17</sup>GB: excludes interconnectors and Scottish companies such as Scottish Power and Scottish and Southern Energy, that will qualify as TSOs once the the third package is in place

**Table 7.2 Unbundling of DSO in Electricity -2009**

<b>Electricity</b>	<b>Number of DSOs</b>	<b>Number of DSOs Ownership Unbundled</b>	<b>Number of DSOs Legally Unbundled</b>	<b>Application of 100.000 Customer Exemption</b>	<b>Numbers of DSOs with less than 100.000 Customers</b>
<b>Austria</b>	129	0	11	YES	118
<b>Belgium</b>	26	11	26	NO	12
<b>Bulgaria</b>	4	4	4	NO	1
<b>Cyprus</b>	1	0	0	YES	0
<b>Czech Republic</b>	3	0	3	YES	278
<b>Denmark</b>	84	0	84	NO	77
<b>Estonia</b>	38	NA	1	YES	37
<b>Finland</b>	88	1	50	NO	82
<b>France</b>	148	0	5	YES	143
<b>Germany</b>	866	0	171	YES	790
<b>Great Britain</b>	19	10	9	NO	5
<b>Greece</b>	1	0	0	NO	0
<b>Hungary</b>	6	0	6	NO	0
<b>Ireland</b>	1	0	1	NO	0
<b>Italy</b>	144	121	11	YES	133
<b>Latvia</b>	11	10	1	YES	10
<b>Lithuania</b>	2	0	2	YES	5
<b>Luxembourg</b>	6	0	1	YES	5
<b>Malta</b>	1	0	0	NO	0
<b>Northern Ireland</b>	1	0	1	NO	0
<b>Norway</b>	152	7	38	YES	144
<b>Poland</b>	20	0	14	YES	6
<b>Portugal</b>	13	10	11	YES	10
<b>Romania</b>	36	5	8	YES	28
<b>Slovak Republic</b>	3	0	3	YES	165
<b>Slovenia</b>	1	0	1	NO	0
<b>Spain</b>	351	0	351	YES	345
<b>Sweden</b>	170	0	170	YES	166
<b>The Netherlands</b>	8	6	8	NO	3

*Source:Regulators Data*

**Table 7.3 Unbundling of Network Operators: Gas Transmission -2009**

GAS	Number of TSOs	Number of TSOs Ownership Unbundled	Public Ownership	Private Ownership	TSO with network assets	
					with	without
Austria	7	0	31,5	68,5	5	2
Belgium	1	0	51,47	48,53	1	0
Bulgaria	1	0	100	0	1	0
Cyprus	NAP	NAP	NAP	NAP	NAP	NAP
Czech Republic	1	0	0	100	1	0
Denmark	1	1	100	0	1	0
Estonia	1	0	0	100	0	1
Finland	1	0	24	76	NAP	NAP
France	2	0	35,6	64,4	2	0
Germany	18	1	0	100	6	12
Great Britain	1	1	0	100	1	0
Greece	1	0	65	35	1	0
Hungary	1	1	0	100	1	0
Ireland	1	0	100	0	0	1
Italy	3	1	2	98	3	0
Latvia	1	0	2,77	97,33	NAP	0
Lithuania	1	0	17,7	82,3	0	0
Luxembourg	1	0	39	61	1	0
Malta	NAP	NAP	NAP	NAP	NAP	NAP
Northern Ireland	3	2			3	0
Norway						
Poland	1	1	100	0	1	0
Portugal	1	1	51	49	1	0
Romania	1	1	75,01	24,98	1	NAP
Slovak Republic	1	0	51	49	0	1
Slovenia	1	0	0	100	1	0
Spain	14	1	5	95	14	0
Sweden	2	2	0	100	2	0
The Netherlands	1	1	100	0	NA	NA

Source: Regulators Data

**Table 7.4 Unbundling of Network Operators-Gas Distribution -2009**

<b>Gas</b>	<b>Number of DSOs</b>	<b>Number of DSOs Ownership Unbundled</b>	<b>Number of DSOs Legally Unbundled</b>	<b>Application of 100.000 Customer Exemption</b>	<b>Numbers of DSOs with less than 100.000 Customers</b>
Austria	20	0	9	YES	14
Belgium	18	5	18	NO	8
Bulgaria	28	NA	0	YES	28
Cyprus	NAP	NAP	NAP	YES	NAP
Czech Republic	79	0	6	YES	73
Denmark	3	0	3	NO	1
Estonia	26	NA	1	YES	25
Finland	23	0	0	YES	23
France	25	0	3	YES	22
Germany	695	NA	167	YES	667
Great Britain	18	15	3	NO	7
Greece	3	0	0	NO	2
Hungary	10	0	5	YES	5
Ireland	1	0	1	NO	0
Italy	263	140	260	YES	209
Latvia	1	0	0	NO	0
Lithuania	6	0	0	YES	5
Luxembourg	4	0	0	YES	4
Malta	NAP	NAP	NAP	NAP	NAP
Northern Ireland	2	0	1	YES	1
Norway					
Poland	6	0	6	YES	1
Portugal	11	0	4	YES	7
Romania	38	2	38	YES	36
Slovak Republic	46	0	1	YES	45
Slovenia	18	0	0	YES	18
Spain	22	0	22	NO	10
Sweden	5	0	5	YES	5
The Netherlands	10	8	10	NO	1

Source: Regulators Data

## 8. Supply – Demand Balance

Table 8.1 Electricity generation - 2009

Electricity	demand/consumption (TWh)	Peak load (GW)	max. net generation capacity (GW)	total net generation volume (TWh)
Austria	59,80	9,70	20,52	67,13
Belgium	83,33	13,53	15,98	87,05
Bulgaria	32,30	7,27	9,04	37,40
Cyprus	5,13	1,10	1,41	4,85
Czech Republic	68,60	11,16	18,33	75,99
Denmark	34,80	6,30	13,40	34,50
Estonia	7,97	1,51	2,44	7,88
Finland	80,80	13,92	13,10	68,70
France	486,40	92,40	120,00	512,10
Germany	538,90	73,00	152,70	560,50
Great Britain	373,87	58,50	83,20	378,52
Greece <sup>18</sup>	52,44	9,83	NA	48,46
Hungary	35,25	6,38	6,99	33,34
Ireland	26,80	4,88	6,08	25,30
Italy	320,30	51,90	90,30	281,11
Latvia	7,22	1,34	2,70	5,60
Lithuania	8,90	1,94	3,80	13,90
Luxembourg	6,22	1,06	0,60	3,11
Malta	2,05	0,40	0,55	2,05
Northern Ireland	34,50	1,66	8,26	5,97
Norway	123,80	23,99	30,97	130,50
Poland	148,60	24,60	35,60	151,70
Portugal	49,87	9,22	16,74	46,02
Romania	50,62	NA	16,00	57,67
Slovak Republic	25,43	4,13	7,10	24,44
Slovenia	11,23	1,94	3,25	15,21
Spain	268,90	44,44	99,00	280,16
Sweden	157,60	24,80	35,70	133,71
The Netherlands	117,10	14,60	21,00	112,20

Source: Regulators Data

<sup>18</sup> GR: Figures refer to interconnected system only where wholesale market is organised



**Table 8.2 Gas Security of Supply -2009**

<b>Gas</b>	<b>demand/consumption (TWh/year)</b>	<b>Peak load (TWh/day)</b>	<b>National production (TWh/year)</b>
Austria	91,54	0,51	17,69
Belgium	195,3	1,10	0
Bulgaria	23,88	0,14	0,142
Cyprus	NAP	NAP	NAP
Czech Republic	86,1	0,60	1,19
Denmark	39	0,23	81
Estonia	6,1	0,04	0
Finland	41	0,21	0
France	494,49	3,21	9,3
Germany	913,78	NA	141,65
Great Britain	1012,65	443,10	693,97
Greece	37,34	0,18	0
Hungary	117,15	0,78	32,57
Ireland	55,56	0,23	3,82
Italy	807,73	4,60	84,6
Latvia	14,26	0,10	0
Lithuania	25,3	0,20	0
Luxembourg	14,4	0,07	0
Malta	NAP	NAP	NAP
Northern Ireland	16,32	66,21	0
Norway			
Poland	147,7	0,75	45,03
Portugal	50,6	0,20	0
Romania	140,05	0,74	119,44
Slovak Republic	56,1	0,35	1,09
Slovenia	10,69	0,06	0
Spain	402,5	1,84	1,72
Sweden	11,8	NA	0
The Netherlands	421	2,30	750

*Source: Regulators Data*

Table 8.3 LNG 2009

	Total LNG import capacity in TWh/h			LNG gas volume flow into the country in TWh/yr		
	2008	2009	Δ	2008	2009	Δ
<b>Austria</b>	NAP	NAP		NAP	NAP	
<b>Belgium</b>	0,02	0,019	-0,001	21	17,5	-3,5
<b>Bulgaria</b>	NAP	NAP		NAP	NAP	
<b>Cyprus</b>	NAP	NAP		NAP	NAP	
<b>Czech Republic</b>	NAP	NAP		NAP	NAP	
<b>Denmark</b>	0	0		NAP	NAP	
<b>Estonia</b>	0	0		0	0	
<b>Finland</b>	0	0		0	0	
<b>France</b>	0,029	0,029	0	140	141	1
<b>Germany</b>	0	0	0	0	0	
<b>Great Britain</b>	179,9	354,4	174,5	8,91	110,58	101,67
<b>Greece</b>	0,0065	0,0065	0	9,81	8,47	-1,34
<b>Hungary</b>	NAP	NAP		NAP	NAP	
<b>Ireland</b>	0	0		0	0	
<b>Italy</b>	0,00484	0,0137	0,00886	16,45	30,57	14,12
<b>Latvia</b>	0	0	0	0	0	
<b>Lithuania</b>	0	0	0	0	0	
<b>Luxembourg</b>	NAP	NAP		NAP	NAP	
<b>Malta</b>	NAP	NAP				
<b>Northern Ireland</b>	0	0	0	0	0	
<b>Norway</b>						
<b>Poland</b>	NA	NA		NA	NA	
<b>Portugal</b>	0,0081	0,0081	0	30,1	33,1	3
<b>Romania</b>	NAP	NAP		NAP	NAP	
<b>Slovak Republic</b>	NAP	NAP		NAP	NAP	
<b>Slovenia</b>	NAP	NAP	NAP	NAP	NAP	NAP
<b>Spain</b>	0,068	0,0814	0,0134	332	306	-26
<b>Sweden</b>	0	0	0	0	0	
<b>The Netherlands</b>	NA	NA		NA	NA	

Source: Regulators data