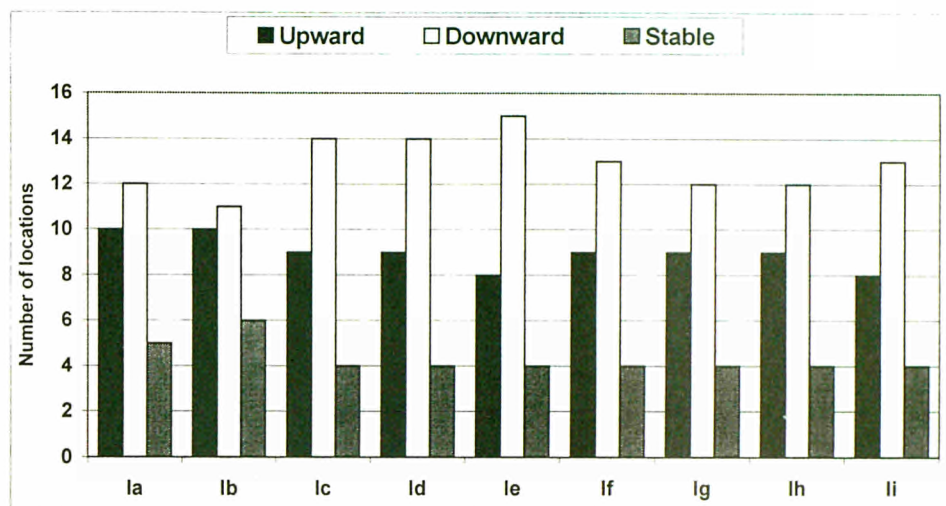


Electricity prices for EU industry on 1 July 1999

Luis de la Fuente



A study of the variations in VAT-excluded electricity prices for industry expressed in national currency from 1 January to 1 July 1999 reveals a higher number of locations where the prices descended for all categories of standard consumers¹.

The biggest rises affected prices in Germany² for Ia to Ih (between +10.6% and +19.9%) in Munich, for Ib, Ig, Ih and Ii (between +10.4% and +16.7%) in Düsseldorf and for Ia and Ib in Hanover (+8.1%) and Leipzig (+7.1%). Another important rise was recorded in Italy for Ib (+7.1%)

The main drops were also recorded in Germany for Ii (-17.9%) in Munich and for Id to Ii (between -9.8% and -16%) in Frankfurt as well as in Sweden for Ia to Ic (between -7.3% and -10%). Another significant drop corresponded to Italy for Ii (-6.9%).

This publication includes all prices collected by EUROSTAT corresponding to 1 July 1999 expressed in national currencies, purchasing power standards (PPS) and euros¹.

¹ See methodological note for standard consumer definitions and conversion rates of PPS and euros.

² Since April 1st a new tax on electricity is levied in Germany. The general tax rate is 20 DEM/MWh but large industrial consumers (above 50 MWh/year) pay a reduced rate of 4 DEM/MWh. This tax has affected the variations in VAT-excluded electricity prices in Germany between January and July 1999.

Statistics
in focus

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	National currency			PPS			euros		
	(/ kWh)			(/ 100 kWh)			(/ 100 kWh)		
	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.
BELGIUM - National	BEF								
la	7,17	5,93	5,87	18,25	15,09	14,95	17,77	14,69	14,55
lb	7,22	5,97	5,97	18,38	15,19	15,19	17,89	14,79	14,79
lc	5,67	4,69	4,69	14,44	11,93	11,93	14,06	11,62	11,62
ld	4,25	3,51	3,51	10,81	8,93	8,93	10,52	8,70	8,70
le	3,59	2,97	2,97	9,15	7,56	7,56	8,91	7,36	7,36
lf	3,29	2,72	2,72	8,39	6,93	6,93	8,17	6,75	6,75
lg	2,70	2,23	2,23	6,86	5,67	5,67	6,68	5,52	5,52
lh	2,36	1,95	1,95	6,02	4,97	4,97	5,86	4,84	4,84
li	2,02	1,67	1,67	5,14	4,25	4,25	5,00	4,13	4,13
DENMARK (1) - National	1 / 100 DKK								
la	70,28	45,60	39,30	7,59	4,92	4,24	9,42	6,11	5,27
lb	69,94	45,33	39,03	7,55	4,90	4,22	9,37	6,07	5,23
lc	68,00	43,78	37,48	7,34	4,73	4,05	9,11	5,87	5,02
ld	65,29	41,61	35,31	7,05	4,49	3,81	8,75	5,58	4,73
le	65,11	41,47	35,17	7,03	4,48	3,80	8,72	5,56	4,71
lf	64,06	40,63	34,33	6,92	4,39	3,71	8,58	5,44	4,60
lg	61,39	38,49	32,19	6,63	4,16	3,48	8,23	5,16	4,31
lh	59,85	37,26	30,96	6,46	4,02	3,34	8,02	4,99	4,15
li	59,30	36,82	30,52	6,40	3,98	3,30	7,95	4,93	4,09
GERMANY - Düsseldorf	1 / 100 DEM								
la	32,33	27,87	25,87	15,32	13,21	12,26	16,52	14,24	13,22
lb	35,45	30,56	28,56	16,80	14,49	13,54	18,11	15,62	14,59
lc	27,49	23,70	22,80	13,03	11,23	10,81	14,05	12,11	11,65
ld	22,16	19,10	18,64	10,50	9,05	8,84	11,32	9,76	9,53
le	20,00	17,24	16,80	9,48	8,17	7,96	10,22	8,81	8,58
lf	19,22	16,57	16,17	9,11	7,85	7,66	9,82	8,47	8,26
lg	15,96	13,76	13,36	7,57	6,52	6,33	8,18	7,03	6,83
lh	16,84	14,52	14,12	7,98	6,88	6,69	8,61	7,42	7,22
li	14,67	12,65	12,25	6,95	6,00	5,81	7,50	6,46	6,26
Hamburg									
la	37,74	32,54	30,54	17,89	15,42	14,48	19,29	16,63	15,61
lb	37,74	32,54	30,54	17,89	15,42	14,48	19,29	16,63	15,61
lc	29,11	25,09	24,19	13,80	11,89	11,47	14,88	12,82	12,36
ld	22,36	19,27	18,81	10,60	9,13	8,92	11,43	9,85	9,61
le	18,12	15,62	15,18	8,59	7,40	7,20	9,26	7,98	7,76
lf	17,81	15,35	14,95	8,44	7,28	7,09	9,10	7,84	7,64
lg	14,62	12,60	12,20	6,93	5,97	5,78	7,47	6,44	6,23
lh	15,41	13,29	12,89	7,30	6,30	6,11	7,87	6,79	6,59
li	13,39	11,55	11,14	6,35	5,47	5,28	6,84	5,90	5,69
Hanover									
la	31,09	26,80	24,80	14,74	12,70	11,76	15,89	13,69	12,67
lb	30,53	26,32	24,32	14,47	12,48	11,53	15,60	13,45	12,43
lc	24,82	21,40	20,50	11,76	10,14	9,72	12,68	10,94	10,48
ld	20,20	17,41	16,95	9,57	8,25	8,03	10,32	8,90	8,66
le	16,81	14,49	14,05	7,97	6,87	6,66	8,59	7,40	7,18
lf	16,56	14,28	13,87	7,85	6,77	6,57	8,46	7,30	7,09
lg	13,04	11,24	10,84	6,18	5,33	5,14	6,66	5,74	5,54
lh	14,09	12,15	11,75	6,68	5,76	5,57	7,20	6,21	6,00
li	12,04	10,38	9,98	5,71	4,92	4,73	6,15	5,30	5,10
Western zone									
la	33,08	28,52	26,52	15,68	13,52	12,57	16,90	14,57	13,55
lb	33,08	28,52	26,52	15,68	13,52	12,57	16,90	14,57	13,55
lc	26,48	22,83	21,93	12,55	10,82	10,39	13,53	11,67	11,21
ld	20,29	17,49	17,03	9,62	8,29	8,07	10,37	8,94	8,70
le	17,31	14,92	14,48	8,20	7,07	6,86	8,85	7,62	7,40
lf	16,69	14,39	13,98	7,91	6,82	6,63	8,53	7,35	7,14
lg	13,93	12,01	11,61	6,60	5,69	5,50	7,12	6,14	5,93
lh	14,74	12,71	12,31	6,99	6,02	5,83	7,53	6,49	6,29
li	12,82	11,05	10,65	6,08	5,24	5,05	6,55	5,65	5,44
Frankfurt/M									
la	43,43	37,44	35,44	20,59	17,75	16,80	22,19	19,13	18,11
lb	43,09	37,15	35,15	20,42	17,61	16,66	22,02	18,98	17,96
lc	28,02	22,43	21,53	12,33	10,63	10,21	13,30	11,46	11,06
ld	20,71	17,85	17,39	9,82	8,46	8,24	10,58	9,12	8,89
le	17,08	14,71	14,27	8,09	6,97	6,76	8,72	7,52	7,29
lf	16,24	14,00	13,59	7,70	6,64	6,44	8,30	7,15	6,94
lg	13,76	11,86	11,46	6,52	5,62	5,43	7,03	6,06	5,86
lh	14,23	12,27	11,87	6,75	5,82	5,63	7,27	6,27	6,07
li	12,96	11,16	10,76	6,14	5,29	5,10	6,62	5,70	5,50
Stuttgart									
la	:	:	:	:	:	:	:	:	:
lb	:	:	:	:	:	:	:	:	:
lc	:	:	:	:	:	:	:	:	:
ld	:	:	:	:	:	:	:	:	:
le	:	:	:	:	:	:	:	:	:
lf	:	:	:	:	:	:	:	:	:
lg	:	:	:	:	:	:	:	:	:
lh	:	:	:	:	:	:	:	:	:
li	:	:	:	:	:	:	:	:	:

(1) The prices excluding VAT does not include the deductible taxes of 10 ORE/kWh for the CO2 tax and of 46,60 ORE/kWh for the energy tax. The rate of the SO2 (non deductible) is 0,9 ORE/kWh.

Electricity prices for industry

1st July 1999

	National currency			PPS			euros		
	(/ kWh)			(/ 100 kWh)			(/ 100 kWh)		
	With taxes	VAT excl	Taxes excl	With taxes	VAT excl	Taxes excl	With taxes	VAT excl	Taxes excl
GERMANY - Munich	1 / 100 DEM								
la	48.62	41.91	39.91	23.05	19.87	18.92	24.84	21.42	20.39
lb	48.09	41.46	39.46	22.79	19.65	18.70	24.57	21.19	20.16
lc	28.90	24.91	24.01	13.70	11.81	11.38	14.77	12.73	12.27
ld	22.90	19.74	19.28	10.85	9.36	9.14	11.70	10.09	9.85
le	18.90	16.29	15.85	8.96	7.72	7.51	9.66	8.32	8.10
lf	18.58	16.02	15.61	8.81	7.59	7.40	9.49	8.19	7.98
lg	16.12	13.90	13.50	7.64	6.59	6.40	8.24	7.10	6.90
lh	17.09	14.73	14.33	8.10	6.98	6.79	8.73	7.53	7.32
li	10.41	8.97	8.57	4.93	4.25	4.06	5.32	4.58	4.38
Southern zone									
la	40.09	34.56	32.56	19.00	16.38	15.43	20.49	17.66	16.64
lb	39.60	34.14	32.14	18.77	16.18	15.23	20.24	17.45	16.42
lc	31.61	27.25	26.35	14.98	12.92	12.49	16.15	13.92	13.46
ld	20.30	17.50	17.04	9.62	8.30	8.08	10.37	8.94	8.71
le	16.88	14.55	14.11	8.00	6.90	6.69	8.63	7.44	7.21
lf	16.29	14.04	13.63	7.72	6.65	6.46	8.32	7.17	6.96
lg	13.41	11.56	11.16	6.36	5.48	5.29	6.85	5.91	5.70
lh	14.37	12.39	11.99	6.81	5.87	5.68	7.34	6.33	6.13
li	12.11	10.44	10.04	5.74	4.95	4.76	6.19	5.33	5.13
Erfurt									
la	44.36	38.24	36.24	21.03	18.13	12.44	22.67	19.54	13.41
lb	43.86	37.83	35.83	20.80	17.93	16.98	22.42	19.33	18.31
lc	33.37	28.77	27.87	15.82	13.64	13.21	17.05	14.70	14.24
ld	24.77	21.35	20.89	11.74	10.12	9.90	12.66	10.91	10.67
le	20.71	17.86	17.42	9.82	8.47	8.26	10.58	9.13	8.90
lf	20.61	17.77	17.36	9.77	8.42	8.23	10.53	9.08	8.87
lg	17.66	15.22	14.82	8.37	7.21	7.02	9.02	7.78	7.57
lh	18.80	16.21	15.81	8.91	7.68	7.49	9.61	8.28	8.08
li	16.75	14.44	14.04	7.94	6.84	6.65	8.56	7.38	7.17
Leipzig									
la	35.26	30.39	28.39	16.71	14.40	13.46	18.02	15.53	14.51
lb	34.61	29.84	27.84	16.41	14.14	13.20	17.69	15.25	14.23
lc	31.18	26.88	25.98	14.78	12.74	12.31	15.93	13.74	13.28
ld	23.79	20.51	20.05	11.28	9.72	9.50	12.16	10.48	10.25
le	18.12	15.62	15.18	8.59	7.40	7.20	9.26	7.98	7.76
lf	17.21	14.84	14.43	8.16	7.03	6.84	8.79	7.58	7.37
lg	13.02	11.22	10.82	6.17	5.32	5.13	6.65	5.73	5.53
lh	14.88	12.83	12.43	7.05	6.08	5.89	7.60	6.56	6.35
li	11.54	9.95	9.55	5.47	4.72	4.53	5.90	5.08	4.88
Rostock									
la	35.84	30.90	28.90	16.99	14.65	13.70	18.31	15.79	14.77
lb	34.66	29.88	27.88	16.43	14.16	13.22	17.71	15.27	14.25
lc	33.95	29.27	28.37	16.09	13.87	13.45	17.35	14.96	14.50
ld	29.78	25.67	25.21	14.12	12.17	11.95	15.22	13.12	12.88
le	21.13	18.22	17.78	10.02	8.64	8.43	10.80	9.31	9.09
lf	21.13	18.22	17.78	10.02	8.64	8.43	10.80	9.31	9.09
lg	16.51	14.23	13.83	7.83	6.75	6.56	8.44	7.27	7.07
lh	17.11	14.75	14.35	8.11	6.99	6.80	8.74	7.54	7.33
li	15.49	13.35	12.95	7.34	6.33	6.14	7.92	6.82	6.62
GREECE - Athens	GRD								
la	30.11	27.88	27.88	12.10	11.21	11.21	9.27	8.59	8.59
lb	30.00	27.78	27.78	12.06	11.17	11.17	9.24	8.56	8.56
lc	27.69	25.64	25.64	11.13	10.31	10.31	8.53	7.90	7.90
ld	22.06	20.43	20.43	8.87	8.21	8.21	6.79	6.29	6.29
le	20.41	18.90	18.90	8.20	7.60	7.60	6.29	5.82	5.82
lf	20.41	18.90	18.90	8.20	7.60	7.60	6.29	5.82	5.82
lg	17.17	15.90	15.90	6.90	6.39	6.39	5.29	4.90	4.90
lh	16.05	14.86	14.86	6.45	5.97	5.97	4.94	4.58	4.58
li	14.07	13.03	13.03	5.66	5.24	5.24	4.33	4.01	4.01
SPAIN - Madrid	ESP								
la	19.82	17.08	16.25	14.77	12.72	12.11	11.91	10.27	9.77
lb	19.82	17.08	16.25	14.77	12.72	12.11	11.91	10.27	9.77
lc	14.97	12.90	12.27	11.15	9.61	9.14	9.00	7.75	7.37
ld	13.75	11.85	11.28	10.24	8.83	8.40	8.26	7.12	6.78
le	12.65	10.91	10.38	9.42	8.13	7.73	7.60	6.56	6.24
lf	11.85	10.22	9.72	8.83	7.61	7.24	7.12	6.14	5.84
lg	10.66	9.19	8.74	7.94	6.85	6.51	6.41	5.52	5.25
lh	10.68	9.21	8.76	7.96	6.86	6.53	6.42	5.54	5.26
li	9.85	8.49	8.08	7.34	6.33	6.02	5.92	5.10	4.86
FRANCE - Paris	1 / 100 FRF								
la	74.40	63.22	57.18	10.71	9.10	8.23	11.31	9.61	8.69
lb	69.84	59.45	57.18	10.06	8.56	8.23	10.62	9.04	8.69
lc	64.78	54.67	52.59	9.33	7.87	7.57	9.85	8.31	7.99
ld	50.88	43.46	43.46	7.33	6.26	6.26	7.73	6.61	6.61
le	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lf	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lg	37.77	32.21	32.21	5.44	4.64	4.64	5.74	4.90	4.90
lh	34.68	29.57	29.57	4.99	4.26	4.26	5.27	4.49	4.49
li	31.08	26.65	26.65	4.48	3.84	3.84	4.72	4.05	4.05

	National currency			PPS			euros		
	(/ kWh)			(/ 100 kWh)			(/ 100 kWh)		
	With taxes	VAT excl	Taxes excl	With taxes	VAT excl	Taxes excl	With taxes	VAT excl	Taxes excl
FRANCE - Lille	1 / 100 FRF								
la	73.73	62.67	57.18	10.62	9.02	8.23	11.21	9.53	8.69
lb	69.60	59.24	57.18	10.02	8.53	8.23	10.58	9.00	8.69
lc	64.55	54.49	52.59	9.30	7.85	7.57	9.81	8.28	7.99
ld	50.88	43.46	43.46	7.33	6.26	6.26	7.73	6.61	6.61
le	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lf	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lg	37.77	32.21	32.21	5.44	4.64	4.64	5.74	4.90	4.90
lh	34.68	29.57	29.57	4.99	4.26	4.26	5.27	4.49	4.49
li	31.08	26.65	26.65	4.48	3.84	3.84	4.72	4.05	4.05
Strasbourg									
la	69.32	59.01	57.18	9.98	8.50	8.23	10.54	8.97	8.69
lb	67.94	57.87	57.18	9.78	8.33	8.23	10.33	8.80	8.69
lc	63.03	53.22	52.59	9.08	7.66	7.57	9.58	8.09	7.99
ld	50.88	43.46	43.46	7.33	6.26	6.26	7.73	6.61	6.61
le	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lf	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lg	37.77	32.21	32.21	5.44	4.64	4.64	5.74	4.90	4.90
lh	34.68	29.57	29.57	4.99	4.26	4.26	5.27	4.49	4.49
li	31.08	26.65	26.65	4.48	3.84	3.84	4.72	4.05	4.05
Lyon (1)									
la	73.73	62.67	57.18	10.62	9.02	8.23	11.21	9.53	8.69
lb	69.60	59.24	57.18	10.02	8.53	8.23	10.58	9.00	8.69
lc	64.55	54.49	52.59	9.30	7.85	7.57	9.81	8.28	7.99
ld	50.88	43.46	43.46	7.33	6.26	6.26	7.73	6.61	6.61
le	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lf	43.25	37.20	37.20	6.23	5.36	5.36	6.57	5.65	5.65
lg	37.77	32.21	32.21	5.44	4.64	4.64	5.74	4.90	4.90
lh	34.68	29.57	29.57	4.99	4.26	4.26	5.27	4.49	4.49
li	31.08	26.65	26.65	4.48	3.84	3.84	4.72	4.05	4.05
IRELAND - Dublin	1 / 100 IEP								
la	11.32	10.06	10.06	15.08	13.40	13.40	14.37	12.78	12.78
lb	11.19	9.94	9.94	14.90	13.24	13.24	14.20	12.63	12.63
lc	9.64	8.57	8.57	12.84	11.41	11.41	12.24	10.88	10.88
ld	7.14	6.35	6.35	9.51	8.46	8.46	9.07	8.06	8.06
le	5.86	5.21	5.21	7.81	6.94	6.94	7.44	6.62	6.62
lf	5.47	4.86	4.86	7.29	6.48	6.48	6.95	6.18	6.18
lg	4.70	4.18	4.18	6.26	5.56	5.56	5.97	5.30	5.30
lh	4.73	4.20	4.20	6.30	5.60	5.60	6.01	5.34	5.34
li	4.29	3.82	3.82	5.72	5.08	5.08	5.45	4.85	4.85
ITALY - National	ITL								
la	379.64	345.13	279.90	22.02	20.02	16.23	19.74	17.95	14.55
lb	317.71	288.83	220.10	18.43	16.75	12.77	16.52	15.02	11.45
lc	252.13	229.21	172.23	14.62	13.29	9.99	13.11	11.92	8.96
ld	225.12	204.65	154.72	13.06	11.87	8.97	11.71	10.64	8.05
le	189.46	172.24	127.01	10.99	9.99	7.37	9.85	8.96	6.60
lf	173.04	157.31	127.01	10.04	9.12	7.37	9.00	8.18	6.60
lg	134.17	121.97	103.53	7.78	7.07	6.00	6.98	6.34	5.38
lh	127.49	115.90	97.44	7.39	6.72	5.65	6.63	6.03	5.07
li	108.08	98.25	81.84	6.27	5.70	4.75	5.62	5.11	4.26
LUXEMBOURG - National 50% (2) (3)	LUF								
la	5.79	5.47	5.47	13.32	12.57	12.57	14.36	13.55	13.55
lb	5.87	5.54	5.54	13.50	12.74	12.74	14.55	13.73	13.73
lc	4.52	4.26	4.26	10.39	9.80	9.80	11.20	10.56	10.56
ld	3.68	3.47	3.47	8.46	7.99	7.99	9.12	8.61	8.61
le	3.12	2.94	2.94	7.18	6.77	6.77	7.74	7.30	7.30
lf	2.43	2.29	2.29	5.59	5.27	5.27	6.02	5.68	5.68
lg	2.00	1.89	1.89	4.60	4.34	4.34	4.96	4.68	4.68
lh	2.08	1.96	1.96	4.78	4.51	4.51	5.15	4.86	4.86
li	1.83	1.73	1.73	4.21	3.97	3.97	4.54	4.28	4.28
National 0% (2)									
la	7.29	6.88	6.88	16.76	15.81	15.81	18.07	17.04	17.04
lb	7.24	6.83	6.83	16.65	15.71	15.71	17.95	16.93	16.93
lc	4.52	4.26	4.26	10.39	9.80	9.80	11.20	10.56	10.56
ld	4.24	4.00	4.00	9.74	9.19	9.19	10.50	9.91	9.91
le	3.47	3.27	3.27	7.98	7.52	7.52	8.60	8.11	8.11
lf	2.43	2.29	2.29	5.59	5.27	5.27	6.02	5.68	5.68
lg	2.00	1.89	1.89	4.60	4.34	4.34	4.96	4.68	4.68
lh	2.08	1.96	1.96	4.78	4.51	4.51	5.15	4.86	4.86
li	1.83	1.73	1.73	4.21	3.97	3.97	4.54	4.28	4.28
National 100% (2)									
la	4.54	4.28	4.28	10.43	9.84	9.84	11.24	10.61	10.61
lb	4.46	4.20	4.20	10.25	9.66	9.66	11.04	10.42	10.42
lc	3.65	3.44	3.44	8.39	7.91	7.91	9.04	8.53	8.53
ld	3.13	2.95	2.95	7.19	6.78	6.78	7.75	7.31	7.31
le	2.77	2.62	2.62	6.38	6.02	6.02	6.88	6.49	6.49
lf	2.43	2.29	2.29	5.59	5.27	5.27	6.02	5.68	5.68
lg	2.00	1.89	1.89	4.60	4.34	4.34	4.96	4.68	4.68
lh	2.08	1.96	1.96	4.78	4.51	4.51	5.15	4.86	4.86
li	1.83	1.73	1.73	4.21	3.97	3.97	4.54	4.28	4.28

(1) Prices also valid for - Marseille, Toulouse

(2) Power reduction

(3) Taken for community comparison

	National currency			PPS			euros		
	(/ kWh)			(/ 100 kWh)			(/ 100 kWh)		
	With taxes	VAT excl	Taxes excl	With taxes	VAT excl	Taxes excl	With taxes	VAT excl	Taxes excl
NETHERLANDS - Rotterdam	1 / 100 NLG								
ia	30.42	25.89	22.22	13.35	11.37	9.75	13.81	11.75	10.09
ib	30.27	25.76	22.27	13.29	11.31	9.78	13.74	11.70	10.11
ic	29.21	24.86	23.62	12.82	10.91	10.37	13.26	11.29	10.72
id	19.74	16.80	16.45	8.67	7.38	7.22	8.96	7.63	7.47
ie	16.09	13.69	13.39	7.06	6.01	5.88	7.30	6.22	6.08
if	15.55	13.23	12.99	6.83	5.81	5.70	7.06	6.01	5.90
ig	12.53	10.66	10.56	5.50	4.68	4.64	5.69	4.84	4.79
ih	13.32	11.34	11.29	5.85	4.98	4.96	6.05	5.15	5.13
ii	11.73	9.98	9.95	5.15	4.38	4.37	5.33	4.53	4.52
North Holland									
ia	:	:	:	:	:	:	:	:	:
ib	:	:	:	:	:	:	:	:	:
ic	:	:	:	:	:	:	:	:	:
id	:	:	:	:	:	:	:	:	:
ie	:	:	:	:	:	:	:	:	:
if	:	:	:	:	:	:	:	:	:
ig	:	:	:	:	:	:	:	:	:
ih	:	:	:	:	:	:	:	:	:
ii	:	:	:	:	:	:	:	:	:
North Brabant									
ia	26.30	22.38	18.71	11.55	9.82	8.21	11.94	10.16	8.49
ib	26.63	22.66	19.17	11.69	9.95	8.42	12.09	10.29	8.70
ic	23.66	20.14	18.90	10.39	8.84	8.30	10.74	9.14	8.58
id	17.11	14.56	14.21	7.51	6.39	6.24	7.77	6.61	6.45
ie	14.56	12.39	12.09	6.39	5.44	5.31	6.61	5.63	5.49
if	14.43	12.28	12.04	6.33	5.39	5.29	6.55	5.58	5.47
ig	12.82	10.91	10.81	5.63	4.79	4.75	5.82	4.95	4.91
ih	13.22	11.25	11.20	5.80	4.94	4.92	6.00	5.11	5.08
ii	12.24	10.42	10.39	5.37	4.57	4.56	5.56	4.73	4.72
AUSTRIA - Oberosterreich/Tyrol/Vienna	ATS								
ia	2.57	2.14	2.04	17.71	14.76	14.07	18.70	15.58	14.85
ib	2.80	2.33	2.23	19.28	16.06	15.38	20.35	16.96	16.23
ic	2.00	1.67	1.57	13.79	11.49	10.80	14.56	12.13	11.40
id	1.66	1.38	1.28	11.41	9.51	8.82	12.04	10.04	9.31
ie	1.36	1.13	1.03	9.35	7.79	7.10	9.87	8.23	7.50
if	:	:	:	:	:	:	:	:	:
ig	:	:	:	:	:	:	:	:	:
ih	:	:	:	:	:	:	:	:	:
ii	:	:	:	:	:	:	:	:	:
PORTUGAL - Lisbon	PTE								
ia	22.45	21.38	21.36	16.61	15.82	15.81	11.20	10.67	10.66
ib	22.01	20.96	20.95	16.29	15.51	15.38	10.98	10.46	10.45
ic	18.04	17.18	17.17	13.35	12.71	12.71	9.00	8.57	8.57
id	15.39	14.66	14.66	11.39	10.85	10.85	7.68	7.32	7.32
ie	13.61	12.96	12.96	10.07	9.59	9.59	6.79	6.47	6.47
if	13.61	12.96	12.96	10.07	9.59	9.59	6.79	6.47	6.47
ig	11.10	10.57	10.57	8.21	7.82	7.82	5.54	5.27	5.27
ih	9.94	9.47	9.47	7.36	7.01	7.01	4.96	4.73	4.73
ii	9.14	8.70	8.70	6.76	6.44	6.44	4.56	4.34	4.34
San Miguel Azores									
ia	31.00	29.81	29.81	22.94	22.06	22.06	15.47	14.88	14.88
ib	28.49	27.40	27.40	21.08	20.28	20.28	14.22	13.67	13.67
ic	24.24	23.31	23.31	17.94	17.25	17.25	12.10	11.63	11.63
id	21.32	20.50	20.50	15.78	15.17	15.17	10.64	10.23	10.23
ie	19.35	18.60	18.60	14.32	13.76	13.76	9.66	9.28	9.28
if	19.35	18.60	18.60	14.32	13.76	13.76	9.66	9.28	9.28
ig	:	:	:	:	:	:	:	:	:
ih	:	:	:	:	:	:	:	:	:
ii	:	:	:	:	:	:	:	:	:
FINLAND - National	1 / 100 FIM								
ia	42.57	34.89	32.32	6.60	5.41	5.01	7.15	5.86	5.43
ib	43.20	35.41	32.83	6.70	5.49	5.09	7.26	5.95	5.52
ic	40.07	32.84	30.27	6.21	5.09	4.69	6.73	5.52	5.09
id	34.56	28.33	25.75	5.36	4.39	3.99	5.81	4.76	4.33
ie	30.87	25.30	22.73	4.78	3.92	3.52	5.19	4.25	3.82
if	30.29	24.83	22.25	4.69	3.85	3.45	5.09	4.17	3.74
ig	27.75	22.74	20.17	4.30	3.52	3.13	4.66	3.82	3.39
ih	22.89	18.77	16.19	3.55	2.91	2.51	3.85	3.15	2.72
ii	22.07	18.09	15.51	3.42	2.80	2.40	3.71	3.04	2.61
SWEDEN - National	1 / 100 SEK								
ia	65.04	52.03	52.03	6.11	4.89	4.89	7.41	5.93	5.93
ib	64.36	51.49	51.49	6.05	4.84	4.84	7.34	5.87	5.87
ic	57.49	45.99	45.99	5.40	4.32	4.32	6.55	5.24	5.24
id	49.76	39.81	39.81	4.68	3.74	3.74	5.67	4.54	4.54
ie	38.46	30.77	30.77	3.62	2.89	2.89	4.38	3.51	3.51
if	34.80	27.84	27.84	3.27	2.62	2.62	3.97	3.17	3.17
ig	30.53	24.42	24.42	2.87	2.30	2.30	3.48	2.78	2.78
ih	30.88	24.70	24.70	2.90	2.32	2.32	3.52	2.82	2.82
ii	28.80	23.04	23.04	2.71	2.17	2.17	3.28	2.63	2.63

Electricity prices for industry

1st July 1999

	National currency			PPS			euros		
	(/ kWh)			(/ 100 kWh)			(/ 100 kWh)		
	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.
UNITED KINGDOM - London	1 / 100 GBP								
Ia	:	:	:	:	:	:	:	:	:
Ib	:	:	:	:	:	:	:	:	:
Ic	:	:	:	:	:	:	:	:	:
Id	:	:	:	:	:	:	:	:	:
Ie	:	:	:	:	:	:	:	:	:
If	:	:	:	:	:	:	:	:	:
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
Leeds	:	:	:	:	:	:	:	:	:
Ia	:	:	:	:	:	:	:	:	:
Ib	:	:	:	:	:	:	:	:	:
Ic	:	:	:	:	:	:	:	:	:
Id	:	:	:	:	:	:	:	:	:
Ie	:	:	:	:	:	:	:	:	:
If	:	:	:	:	:	:	:	:	:
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
Birmingham	:	:	:	:	:	:	:	:	:
Ia	:	:	:	:	:	:	:	:	:
Ib	:	:	:	:	:	:	:	:	:
Ic	:	:	:	:	:	:	:	:	:
Id	:	:	:	:	:	:	:	:	:
Ie	:	:	:	:	:	:	:	:	:
If	:	:	:	:	:	:	:	:	:
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
Glasgow	:	:	:	:	:	:	:	:	:
Ia	:	:	:	:	:	:	:	:	:
Ib	:	:	:	:	:	:	:	:	:
Ic	:	:	:	:	:	:	:	:	:
Id	:	:	:	:	:	:	:	:	:
Ie	:	:	:	:	:	:	:	:	:
If	:	:	:	:	:	:	:	:	:
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
NORWAY (1) - National	1 / 100 NOK								
Ia	51.60	41.90	41.90	4.95	4.02	4.02	6.30	5.11	5.11
Ib	48.90	39.80	39.80	4.69	3.82	3.82	5.97	4.86	4.86
Ic	51.50	41.90	41.90	4.94	4.02	4.02	6.28	5.11	5.11
Id	40.10	32.60	32.60	3.85	3.13	3.13	4.89	3.98	3.98
Ie	34.30	27.90	27.90	3.29	2.68	2.68	4.18	3.40	3.40
If	29.80	24.20	24.20	2.86	2.32	2.32	3.64	2.95	2.95
Ig	23.80	19.40	19.40	2.28	1.86	1.86	2.90	2.37	2.37
Ih	22.50	18.30	18.30	2.15	1.76	1.76	2.75	2.23	2.23
Ii	21.80	17.70	17.70	2.10	1.70	1.70	2.66	2.16	2.16

(1) In the framework of the agreements concluded between the member countries of the European Economic Agreement (EEA), prices for Norway are also published

Marker prices in national currency

1st July 1999

(/ kWh)

	25 MW			50 MW			75 MW		
	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.
BELGIUM - National	BEF								
	2.06	1.71	1.71	1.93	1.59	1.59	1.90	1.57	1.57
GERMANY - North-center	1 / 100 DEM								
Lowest	11.32	9.76	9.36	8.58	7.40	7.00	10.49	9.04	8.64
Highest	13.18	11.36	10.96	12.74	10.98	10.58	12.35	10.65	10.25
West									
Lowest	9.05	7.80	7.40	8.47	7.30	6.90	7.66	6.60	6.20
Highest	13.22	11.40	11.00	12.67	10.92	10.52	12.18	10.50	10.10
South									
Lowest	8.35	7.20	6.80	7.66	6.60	6.20	6.96	6.00	5.60
Highest	15.11	13.03	12.63	14.74	12.71	12.31	14.55	12.54	12.14
East									
Lowest	11.66	10.05	9.65	11.16	9.62	9.22	10.70	9.23	8.83
Highest	13.92	12.00	11.60	12.99	11.20	10.80	12.41	10.70	10.30
GREECE - National	GRD								
	13.47	12.47	12.47	13.47	12.47	12.47	13.47	12.47	12.47
SPAIN - National	ESP								
	5.73	4.94	4.70	5.73	4.94	4.70	5.73	4.94	4.70

Marker prices in national currency

1st July 1999

(/ kWh)

	25 MW			50 MW			75 MW		
	With taxes	VAT excl	Taxes excl.	With taxes	VAT excl	Taxes excl.	With taxes	VAT excl	Taxes excl.
FRANCE - National				1 / 100 FRF					
Base : 5000 Hours	33.00	28.18	28.18	30.34	25.77	25.77	29.49	24.96	24.96
Base : -6%	31.02	26.49	26.49	28.52	24.22	24.22	27.72	23.46	23.46
Base : -8%	30.36	25.92	25.92	27.92	23.71	23.71	27.13	22.96	22.96
Base : -10%	29.70	25.36	25.36	27.31	23.19	23.19	26.54	22.46	22.46
ITALY - National	101.97	92.70	76.70	99.47	90.43	74.57	98.65	89.68	73.86
NETHERLANDS - National				1 / 100 NLG					
Lowest	:	:	:	:	:	:	:	:	:
Highest	11.34	9.65	9.65	:	:	:	:	:	:
PORTUGAL - National				PTE					
Lowest	7.96	7.58	7.58	8.38	7.98	7.98	:	:	:
Highest	10.04	9.56	9.56	9.38	8.93	8.93	:	:	:
Reference	8.70	8.29	8.29	9.02	8.59	8.59	:	:	:
UNITED KINGDOM - National				1 / 100 GBP					
NORWAY - National				1 / 100 NOK					
Lowest	10.20	8.30	8.30	5.80	4.70	4.70	6.90	5.60	5.60
Highest	30.50	24.80	24.80	30.30	24.60	24.60	30.10	24.50	24.50

DENMARK, LUXEMBOURG, IRELAND, AUSTRIA, FINLAND 75 MW: Confidential marker prices, less than 3 consumers in the category
 ITALIA: "national" series since 1 1 94

ESSENTIAL INFORMATION – METHODOLOGICAL NOTE

Nine standard industrial users, coded Ia to li were chosen:

Standard Consumer	Annual consumption (kWh)	Maximum demand (kW)	Annual Utilisation (in hours)
Ia	30 000	30	1 000
Ib	50 000	50	1 000
Ic	160 000	100	1 600
Id	1 250 000	500	2 500
Ie	2 000 000	500	4 000
If	10 000 000	2 500	4 000
Ig	24 000 000	4 000	6 000
Ih	50 000 000	10 000	5 000
Ii	70 000 000	10 000	7 000

Prices for industrial consumers were deflated using the national GDP index.

Prices for the standard consumers are given in national currencies, PPS (estimated purchasing power standard, annual estimated value, as at 11 February for 1999) and in euro (average value for July 1999).

Conversion table in PPS and euro

1 PPS =

B (BEF)	39.27	E (ESP)	134.30	L (LUF)	43.48	FIN (FIM)	6.44
DK (DKK)	9.28	F (FRF)	6.92	NL (NLG)	2.28	S (SEK)	10.59
D (DEM)	2.11	IRL (IEP)	0.75	A (ATS)	14.53	UK (GBP)	0.70
EL (GRD)	248.97	I (ITL)	1738.68	P (PTE)	135.14	NO (NOK)	10.47

1 euro =

B (BEF)	40.3399	E (ESP)	166.386	L (LUF)	40.3399	FIN (FIM)	5.94573
DK (DKK)	7.44	F (FRF)	6.55957	NL (NLG)	2.20371	S (SEK)	8.74
D (DEM)	1.95583	IRL (IEP)	0.787564	A (ATS)	13.7603	UK (GBP)	0.66
EL (GRD)	324.95	I (ITL)	1936.27	P (PTE)	200.482	NO (NOK)	8.18

NOTE: ":" means data not available or confidential

Further information:

➤ Data bases

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