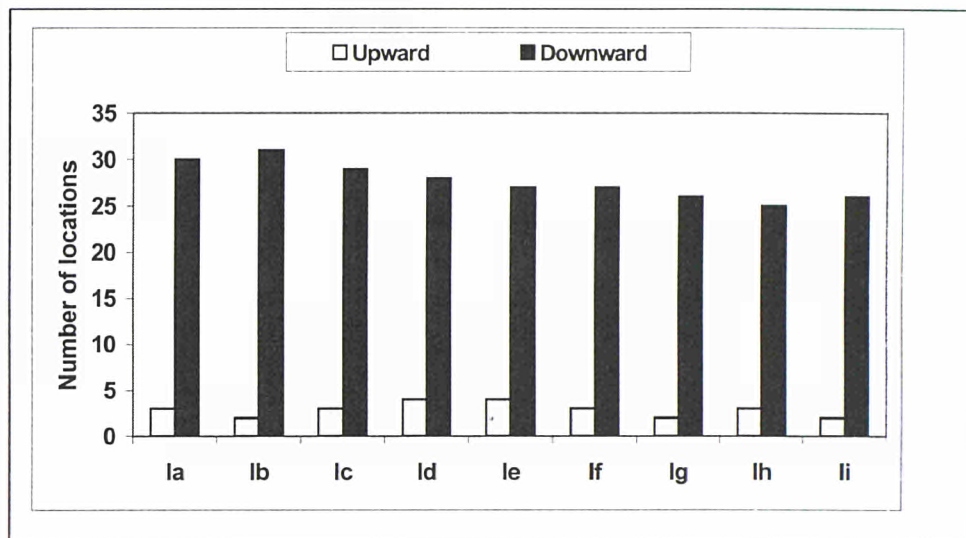


Electricity prices for EU industry on 1 January 1999: downward trend

Luis de la Fuente



A study of the variations in deflated VAT-excluded electricity prices for industry expressed in national currency from 1 July 1998 to 1 January 1999 reveals an average drop which affected all categories of standard consumers¹:

	la	lb	lc	ld	le	lf	lg	lh	li
Average ²	-2.26%	-2.29%	-2.22%	-2.71%	-3.22%	-3.16%	-4.03%	-3.93%	-4.10%

The biggest drops affected prices in Germany for le to li (between -8.1% and -18.8%) in the Southern Zone, for ld to lf (between -11.7% and -15.8%) in the Western Zone, for le to li (between -8.0% and -17.5%) in Leipzig, for lc to lh (between -8.7% and -11.8%) in Hannover and for le (-8.2%) in Munich. Other relevant drops were reported in Lisbon for lb to li (between -12.8% and -12.9%) and in Italy for li (-8.4%).

The main rises were recorded in the United Kingdom for ld (+5.1%) and le (+5.6%) in London and for lf (+9.3%) in Birmingham as well as in the Netherlands for lc (+4.2%) in North Brabant.

This publication includes all prices collected by EUROSTAT corresponding to 1 January 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 Arithmetic average of the variations in every location.

Statistics

in focus

ENVIRONMENT AND ENERGY

THEME 8 – 3/1999

ENERGY



Electricity prices for industry

January 1st, 1999

	National currency (/ kWh)			PPS (/ 100 kWh)			euro (/ 100 kWh)		
	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.	With taxes	VAT excl.	Taxes excl.
BELGIUM - National	BEF								
la	7.21	5.96	5.90	18.36	15.17	15.03	17.87	14.77	14.64
lb	7.25	5.99	5.99	18.45	15.25	15.25	17.96	14.84	14.84
lc	5.69	4.71	4.71	14.49	11.98	11.98	14.11	11.66	11.66
ld	4.26	3.52	3.52	10.85	8.96	8.96	10.56	8.73	8.73
le	3.81	2.98	2.98	9.18	7.59	7.59	8.94	7.39	7.39
lf	3.31	2.73	2.73	8.41	6.95	6.95	8.19	6.77	6.77
lg	2.71	2.24	2.24	8.89	5.69	5.69	6.71	5.54	5.54
lh	2.37	1.96	1.96	6.04	4.99	4.99	5.88	4.86	4.86
li	2.02	1.67	1.67	5.15	4.26	4.26	5.02	4.15	4.15
DENMARK (1) - National	1 / 100 DKK								
la	70.70	45.94	39.84	7.64	4.96	4.28	9.47	6.16	5.31
lb	70.34	45.65	39.35	7.60	4.93	4.25	9.43	6.12	5.27
lc	89.04	44.81	38.31	7.46	4.82	4.14	9.25	5.98	5.13
ld	68.43	42.52	36.22	7.17	4.59	3.91	8.90	5.70	4.85
le	66.28	42.39	36.09	7.16	4.58	3.90	8.88	5.68	4.84
lf	84.98	41.36	35.06	7.02	4.47	3.79	8.71	5.54	4.70
lg	82.53	39.40	33.10	6.75	4.28	3.57	8.38	5.28	4.44
lh	60.99	38.17	31.87	6.59	4.12	3.44	8.17	5.11	4.27
li	60.44	37.73	31.43	6.53	4.07	3.39	8.10	5.06	4.21
GERMANY - Düsseldorf	1 / 100 DEM								
la	30.81	26.56	26.56	14.60	12.59	12.59	15.74	13.57	13.57
lb	30.37	26.18	26.18	14.40	12.41	12.41	15.52	13.38	13.38
lc	26.43	22.79	22.79	12.53	10.80	10.80	13.51	11.65	11.65
ld	22.18	19.12	19.12	10.51	9.06	9.06	11.33	9.77	9.77
le	20.16	17.38	17.38	9.58	8.24	8.24	10.30	8.88	8.88
lf	18.29	15.77	15.77	8.67	7.47	7.47	9.35	8.06	8.06
lg	14.08	12.14	12.14	6.67	5.75	5.75	7.19	6.20	6.20
lh	15.25	13.15	13.15	7.23	6.23	6.23	7.79	6.72	6.72
li	12.60	10.66	10.66	5.97	5.15	5.15	6.44	5.55	5.55
Hamburg									
la	35.42	30.54	30.54	16.79	14.48	14.48	18.10	15.61	15.61
lb	35.42	30.54	30.54	16.79	14.48	14.48	18.10	15.61	15.61
lc	28.06	24.19	24.19	13.30	11.47	11.47	14.34	12.36	12.36
ld	21.82	18.81	18.81	10.34	8.92	8.92	11.15	9.61	9.61
le	17.61	15.18	15.18	8.35	7.20	7.20	9.00	7.76	7.76
lf	17.34	14.95	14.95	8.22	7.09	7.09	8.88	7.64	7.64
lg	14.15	12.20	12.20	6.71	5.78	5.78	7.23	6.23	6.23
lh	14.95	12.89	12.89	7.09	6.11	6.11	7.64	6.59	6.59
li	12.93	11.14	11.14	6.13	5.28	5.28	6.61	5.69	5.69
Hanover									
la	28.77	24.80	24.80	13.64	11.76	11.76	14.70	12.67	12.67
lb	28.21	24.32	24.32	13.37	11.53	11.53	14.42	12.43	12.43
lc	23.78	20.50	20.50	11.27	9.72	9.72	12.15	10.48	10.48
ld	19.66	16.95	16.95	9.32	8.03	8.03	10.05	8.66	8.66
le	16.30	14.05	14.05	7.73	6.66	6.66	8.33	7.18	7.18
lf	16.09	13.87	13.87	7.63	6.57	6.57	8.22	7.09	7.09
lg	12.57	10.84	10.84	5.96	5.14	5.14	6.42	5.54	5.54
lh	13.63	11.75	11.75	6.46	5.57	5.57	8.06	6.00	6.00
li	11.58	9.98	9.98	5.49	4.73	4.73	5.92	5.10	5.10
Western zone									
la	30.76	26.52	26.52	14.58	12.57	12.57	15.72	13.55	13.55
lb	30.77	26.52	26.52	14.58	12.57	12.57	15.72	13.55	13.55
lc	25.44	21.93	21.93	12.06	10.39	10.39	13.00	11.21	11.21
ld	19.75	17.03	17.03	9.38	8.07	8.07	10.09	8.70	8.70
le	18.79	14.48	14.48	7.96	6.88	6.88	8.58	7.40	7.40
lf	16.22	13.98	13.98	7.89	6.63	6.63	8.29	7.14	7.14
lg	13.47	11.81	11.61	6.38	5.50	5.50	6.86	5.93	5.93
lh	14.28	12.31	12.31	6.77	5.83	5.83	7.30	6.29	6.29
li	12.36	10.65	10.65	5.86	5.05	5.05	6.32	5.44	5.44
Frankfurt/M									
la	44.92	38.72	38.72	21.29	18.35	18.35	22.95	19.79	19.79
lb	44.58	38.43	38.43	21.13	18.22	18.22	22.78	19.64	19.64
lc	27.74	23.92	23.92	13.15	11.34	11.34	14.18	12.22	12.22
ld	23.03	19.86	19.88	10.92	9.41	9.41	11.77	10.15	10.15
le	18.92	16.31	16.31	8.97	7.73	7.73	9.67	8.33	8.33
lf	18.88	16.27	16.27	8.95	7.71	7.71	9.65	8.31	8.31
lg	15.58	13.43	13.43	7.38	6.37	6.37	7.96	6.86	6.86
lh	18.94	14.81	14.81	8.03	6.93	6.93	8.66	7.47	7.47
li	14.43	12.44	12.44	6.84	5.90	5.90	7.37	6.36	6.36
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 48.10 ORE/kWh for the energy tax. The rate of the SO2 (non deductible) is 1.3 ORE/kWh.

Electricity prices for industry

January 1st, 1999

	National currency (/ kWh)			PPS (/ 100 kWh)			euro (/ 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								
Ia	43.98	37.91	37.91	20.85	17.97	17.97	22.47	19.37	19.37
Ib	43.45	37.46	37.46	20.60	17.76	17.76	22.20	19.14	19.14
Ic	25.53	22.01	22.01	12.10	10.43	10.43	13.05	11.25	11.25
Id	20.04	17.28	17.28	9.50	8.19	8.19	10.24	8.83	8.83
Ie	16.12	13.90	13.90	7.64	6.59	6.59	8.24	7.10	7.10
If	15.83	13.65	13.65	7.50	6.47	6.47	8.09	6.98	6.98
Ig	13.44	11.59	11.59	6.37	5.49	5.49	6.87	5.92	5.92
Ih	14.37	12.39	12.39	6.81	5.87	5.87	7.34	6.33	6.33
Ii	12.68	10.93	10.93	6.01	5.18	5.18	6.48	5.59	5.59
Southern zone									
Ia	37.77	32.56	32.56	17.90	15.43	15.43	19.30	16.64	16.64
Ib	37.28	32.14	32.14	17.67	15.23	15.23	19.05	16.42	16.42
Ic	33.05	28.49	28.49	15.67	13.50	13.50	16.89	14.58	14.58
Id	19.77	17.04	17.04	9.37	8.08	8.08	10.10	8.71	8.71
Ie	16.37	14.11	14.11	7.76	6.69	6.69	8.37	7.21	7.21
If	15.81	13.63	13.63	7.49	6.46	6.46	8.08	6.96	6.96
Ig	12.95	11.16	11.16	6.14	5.29	5.29	6.82	5.70	5.70
Ih	13.91	11.99	11.99	6.59	5.68	5.68	7.11	6.13	6.13
Ii	11.65	10.04	10.04	5.52	4.76	4.76	5.95	5.13	5.13
Erfurt									
Ia	42.04	36.24	36.24	19.93	17.18	17.18	21.48	18.52	18.52
Ib	41.56	35.83	35.83	19.70	16.98	16.98	21.24	18.31	18.31
Ic	32.33	27.87	27.87	15.32	13.21	13.21	16.52	14.24	14.24
Id	24.22	20.88	20.88	11.48	9.90	9.90	12.38	10.67	10.67
Ie	20.20	17.42	17.42	9.57	8.26	8.26	10.32	8.90	8.90
If	20.13	17.36	17.36	9.54	8.23	8.23	10.29	8.87	8.87
Ig	17.19	14.82	14.82	8.15	7.02	7.02	8.78	7.57	7.57
Ih	18.33	15.81	15.81	8.69	7.49	7.49	9.37	8.08	8.08
Ii	18.29	14.04	14.04	7.72	6.65	6.65	8.32	7.17	7.17
Leipzig									
Ia	32.94	28.39	28.39	15.61	13.46	13.46	16.83	14.51	14.51
Ib	32.29	27.84	27.84	15.31	13.20	13.20	16.50	14.23	14.23
Ic	30.13	25.98	25.98	14.28	12.31	12.31	15.40	13.28	13.28
Id	23.26	20.05	20.05	11.03	9.50	9.50	11.89	10.25	10.25
Ie	17.61	15.18	15.18	8.35	7.20	7.20	9.00	7.76	7.76
If	16.74	14.43	14.43	7.93	6.84	6.84	8.55	7.37	7.37
Ig	12.55	10.82	10.82	5.95	5.13	5.13	6.41	5.53	5.53
Ih	14.42	12.43	12.43	6.84	5.89	5.89	7.37	6.35	6.35
Ii	11.08	9.55	9.55	5.25	4.53	4.53	5.66	4.88	4.88
Rostock									
Ia	43.67	37.65	37.65	20.70	17.85	17.85	22.32	19.24	19.24
Ib	43.57	37.56	37.56	20.65	17.80	17.80	22.26	19.19	19.19
Ic	34.19	29.47	29.47	16.21	13.97	13.97	17.47	15.06	15.06
Id	23.69	20.42	20.42	11.23	9.68	9.68	12.11	10.43	10.43
Ie	19.44	16.76	16.76	9.21	7.94	7.94	9.93	8.56	8.56
If	19.38	16.71	16.71	9.19	7.92	7.92	9.90	8.54	8.54
Ig	16.70	14.40	14.40	7.92	6.83	6.83	8.53	7.38	7.38
Ih	16.59	14.30	14.30	7.86	6.78	6.78	8.48	7.31	7.31
Ii	14.40	12.41	12.41	6.83	5.88	5.88	7.36	6.34	6.34
GREECE - Athens	GRD								
Ia	30.11	27.88	27.88	12.10	11.21	11.21	9.30	8.61	8.61
Ib	30.00	27.78	27.78	12.06	11.17	11.17	9.27	8.58	8.58
Ic	27.69	25.64	25.64	11.13	10.31	10.31	8.58	7.92	7.92
Id	22.06	20.43	20.43	8.87	8.21	8.21	6.82	6.31	6.31
Ie	20.41	18.90	18.90	8.20	7.60	7.60	6.31	5.84	5.84
If	20.41	18.90	18.90	8.20	7.60	7.60	6.31	5.84	5.84
Ig	17.17	15.90	15.90	6.90	6.39	6.39	5.31	4.91	4.91
Ih	16.05	14.86	14.86	6.45	5.97	5.97	4.96	4.59	4.59
Ii	14.07	13.03	13.03	5.66	5.24	5.24	4.35	4.03	4.03
SPAIN - Madrid	ESP								
Ia	19.82	17.08	16.25	14.77	12.72	12.11	11.91	10.27	9.77
Ib	19.82	17.08	16.25	14.77	12.72	12.11	11.91	10.27	9.77
Ic	14.97	12.90	12.27	11.15	9.61	9.14	9.00	7.75	7.37
Id	13.75	11.85	11.28	10.24	8.83	8.40	8.28	7.12	6.78
Ie	12.65	10.91	10.38	9.42	8.13	7.73	7.60	6.58	6.24
If	11.85	10.22	9.72	8.83	7.61	7.24	7.12	6.14	5.84
Ig	10.66	9.19	8.74	7.94	6.85	6.51	6.41	5.52	5.25
Ih	10.68	9.21	8.76	7.96	6.88	6.53	6.42	5.54	5.26
Ii	9.85	8.49	8.08	7.34	6.33	6.02	5.92	5.10	4.86
FRANCE - Paris	1 / 100 FRF								
Ia	76.29	64.82	58.63	10.99	9.33	8.44	11.60	9.85	8.91
Ib	71.63	60.95	58.63	10.31	8.78	8.44	10.89	9.28	8.91
Ic	66.47	56.09	53.95	9.57	8.08	7.77	10.10	8.53	8.20
Id	52.47	44.81	44.81	7.56	6.45	6.45	7.98	6.81	6.81
Ie	44.49	38.25	38.25	6.41	5.51	5.51	6.78	5.81	5.81
If	44.49	38.25	38.25	6.41	5.51	5.51	6.78	5.81	5.81
Ig	38.80	33.08	33.08	5.61	4.78	4.78	5.91	5.04	5.04
Ih	35.75	30.47	30.47	5.15	4.39	4.39	5.43	4.63	4.63
Ii	32.02	27.45	27.45	4.61	3.95	3.95	4.87	4.17	4.17

Electricity prices for industry

January 1st, 1999

	National currency (/ kWh)			PPS (/ 100 kWh)			euro (/ 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	75.61	64.26	58.63	10.89	9.25	8.44	11.49	9.77	8.91
lb	71.37	60.74	58.63	10.28	8.75	8.44	10.85	9.23	8.91
lc	66.23	55.90	53.95	9.54	8.05	7.77	10.07	8.50	8.20
ld	52.47	44.81	44.81	7.56	6.45	6.45	7.98	6.81	6.81
le	44.49	38.25	38.25	6.41	5.51	5.51	6.76	5.81	5.81
lf	44.49	38.25	38.25	6.41	5.51	5.51	6.76	5.81	5.81
lg	38.80	33.08	33.08	5.61	4.78	4.78	5.91	5.04	5.04
lh	35.75	30.47	30.47	5.15	4.39	4.39	5.43	4.63	4.63
li	32.02	27.45	27.45	4.61	3.95	3.95	4.87	4.17	4.17
Strasbourg	1 / 100 FRF								
la	75.61	64.26	58.63	10.89	9.25	8.44	11.49	9.77	8.91
lb	71.37	60.74	58.63	10.28	8.75	8.44	10.85	9.23	8.91
lc	66.23	55.90	53.95	9.54	8.05	7.77	10.07	8.50	8.20
ld	52.47	44.81	44.81	7.56	6.45	6.45	7.98	6.81	6.81
le	44.49	38.25	38.25	6.41	5.51	5.51	6.76	5.81	5.81
lf	44.49	38.25	38.25	6.41	5.51	5.51	6.76	5.81	5.81
lg	38.80	33.08	33.08	5.61	4.78	4.78	5.91	5.04	5.04
lh	35.75	30.47	30.47	5.15	4.39	4.39	5.43	4.63	4.63
li	32.02	27.45	27.45	4.61	3.95	3.95	4.87	4.17	4.17
Lyon (1)	1 / 100 FRF								
la	71.09	60.51	58.63	10.24	8.71	8.44	10.81	9.20	8.91
lb	69.67	59.33	58.63	10.03	8.54	8.44	10.59	9.02	8.91
lc	64.67	54.60	53.95	9.31	7.86	7.77	9.83	8.30	8.20
ld	52.47	44.81	44.81	7.56	6.45	6.45	7.98	6.81	6.81
le	44.49	38.25	38.25	6.41	5.51	5.51	6.76	5.81	5.81
lf	44.49	38.25	38.25	6.41	5.51	5.51	6.76	5.81	5.81
lg	38.80	33.08	33.08	5.61	4.78	4.78	5.91	5.04	5.04
lh	35.75	30.47	30.47	5.15	4.39	4.39	5.43	4.63	4.63
li	32.02	27.45	27.45	4.61	3.95	3.95	4.87	4.17	4.17
IRELAND - Dublin	1 / 100 IEP								
la	11,318	10,060	10,060	15.08	13.40	13.40	14.37	12.78	12.78
lb	11,185	9,942	9,942	14.90	13.24	13.24	14.20	12.63	12.63
lc	9,840	8,569	8,569	12.84	11.41	11.41	12.24	10.88	10.88
ld	7,142	6,348	6,348	9.51	8.48	8.48	9.07	8.06	8.06
le	5,861	5,210	5,210	7.81	6.94	6.94	7.44	6.62	6.62
lf	5,472	4,864	4,864	7.29	6.48	6.48	6.95	6.18	6.18
lg	4,699	4,177	4,177	6.26	5.56	5.56	5.97	5.30	5.30
lh	4,730	4,204	4,204	6.30	5.80	5.80	6.01	5.34	5.34
li	4,293	3,816	3,816	5.72	5.08	5.08	5.45	4.85	4.85
ITALY - National	ITL								
la	358.71	326.10	277.10	20.81	18.91	16.07	18.65	16.96	14.41
lb	296.56	269.60	218.20	17.20	15.64	12.66	15.42	14.02	11.35
lc	243.90	221.73	170.33	14.15	12.86	9.88	12.68	11.53	8.88
ld	224.64	204.22	152.82	13.03	11.84	8.86	11.68	10.62	7.95
le	194.16	176.51	125.11	11.26	10.24	7.26	10.10	9.18	6.51
lf	177.74	161.58	125.11	10.31	9.37	7.26	9.24	8.40	6.51
lg	141.74	128.85	101.63	8.22	7.47	5.89	7.37	6.70	5.28
lh	133.46	121.33	95.54	7.74	7.04	5.54	6.94	6.31	4.97
li	116.02	105.47	79.94	6.73	6.12	4.64	6.03	5.48	4.16
LUXEMBOURG - National 50% (2) (3)	LUF								
la	5.64	5.51	5.51	13.44	12.68	12.68	14.48	13.66	13.66
lb	5.92	5.59	5.59	13.62	12.85	12.85	14.68	13.85	13.85
lc	4.56	4.30	4.30	10.48	9.88	9.88	11.29	10.65	10.65
ld	3.71	3.50	3.50	8.54	8.05	8.05	9.20	8.68	8.68
le	3.15	2.97	2.97	7.24	6.83	6.83	7.80	7.36	7.36
lf	2.46	2.32	2.32	5.65	5.33	5.33	6.09	5.75	5.75
lg	2.02	1.91	1.91	4.65	4.39	4.39	5.02	4.73	4.73
lh	2.10	1.98	1.98	4.83	4.56	4.56	5.21	4.92	4.92
li	1.85	1.75	1.75	4.26	4.02	4.02	4.60	4.34	4.34
National 0% (2)	LUF								
la	7.35	6.93	6.93	16.90	15.95	15.95	18.22	17.19	17.19
lb	7.30	6.89	6.89	16.79	15.84	15.84	18.10	17.07	17.07
lc	4.56	4.30	4.30	10.48	9.88	9.88	11.29	10.65	10.65
ld	4.27	4.03	4.03	9.62	9.27	9.27	10.59	9.99	9.99
le	3.50	3.30	3.30	8.04	7.59	7.59	8.67	8.18	8.18
lf	2.46	2.32	2.32	5.65	5.33	5.33	6.09	5.75	5.75
lg	2.02	1.91	1.91	4.65	4.39	4.39	5.02	4.73	4.73
lh	2.10	1.98	1.98	4.83	4.56	4.56	5.21	4.92	4.92
li	1.85	1.75	1.75	4.26	4.02	4.02	4.60	4.34	4.34
National 100% (2)	LUF								
la	4.57	4.31	4.31	10.52	9.92	9.92	11.34	10.69	10.69
lb	4.49	4.24	4.24	10.33	9.75	9.75	11.14	10.51	10.51
lc	3.68	3.47	3.47	8.46	7.98	7.98	9.12	8.60	8.60
ld	3.15	2.97	2.97	7.25	6.84	6.84	7.81	7.37	7.37
le	2.80	2.64	2.64	6.43	6.07	6.07	6.93	6.54	6.53
lf	2.48	2.32	2.32	5.65	5.33	5.33	6.09	5.75	5.75
lg	2.02	1.91	1.91	4.65	4.39	4.39	5.02	4.73	4.73
lh	2.10	1.98	1.98	4.83	4.56	4.56	5.21	4.92	4.92
li	1.85	1.75	1.75	4.26	4.02	4.02	4.60	4.34	4.34

(1) Prices also valid for: Marseille, Toulouse

(2) Power reduction

(3) Taken for community comparison

Electricity prices for industry

January 1st, 1999

	National currency (/ kWh)			PPS (/ 100 kWh)			euro (/ 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								
la	30.42	25.89	22.22	13.35	11.37	9.75	13.81	11.75	10.09
lb	30.27	25.76	22.27	13.29	11.31	9.78	13.74	11.70	10.11
lc	29.32	24.95	23.71	12.87	10.95	10.41	13.31	11.33	10.78
ld	19.83	16.88	16.53	8.71	7.41	7.26	9.00	7.66	7.50
le	16.17	13.76	13.46	7.10	6.04	5.91	7.34	6.25	8.11
lf	15.64	13.31	13.07	6.87	5.84	5.74	7.10	6.04	5.93
lg	12.61	10.73	10.63	5.54	4.71	4.67	5.72	4.87	4.83
lh	13.41	11.41	11.36	5.89	5.01	4.99	6.09	5.18	5.16
li	11.80	10.04	10.01	5.18	4.41	4.39	5.36	4.58	4.54
North Holland									
la	27.62	23.51	19.84	12.13	10.32	8.71	12.54	10.67	9.01
lb	27.48	23.39	19.90	12.06	10.27	8.74	12.48	10.62	9.03
lc	26.30	22.38	21.14	11.55	9.82	9.28	11.94	10.18	9.60
ld	18.14	15.44	15.09	7.96	6.78	6.62	8.24	7.01	6.85
le	15.23	12.96	12.66	6.69	5.69	5.56	6.91	5.88	5.75
lf	14.64	12.46	12.22	6.43	5.47	5.36	6.65	5.66	5.55
lg	12.57	10.70	10.60	5.52	4.70	4.65	5.71	4.86	4.81
lh	13.21	11.24	11.19	5.80	4.93	4.91	6.00	5.10	5.08
li	11.67	9.93	9.90	5.12	4.36	4.35	5.30	4.51	4.49
North Brabant									
la	28.00	22.13	18.48	11.41	9.72	8.10	11.60	10.05	8.38
lb	26.33	22.41	18.92	11.56	9.84	8.31	11.95	10.17	8.59
lc	23.37	19.89	18.65	10.26	8.73	8.19	10.61	9.03	8.47
ld	16.93	14.41	14.06	7.43	6.33	6.17	7.89	6.54	6.38
le	14.36	12.24	11.94	6.31	5.37	5.24	6.53	5.58	5.42
lf	14.25	12.13	11.89	6.28	5.33	5.22	6.47	5.51	5.40
lg	12.64	10.76	10.66	5.55	4.72	4.68	5.74	4.89	4.84
lh	13.04	11.10	11.05	5.72	4.87	4.85	5.92	5.04	5.02
li	12.07	10.27	10.24	5.30	4.51	4.50	5.48	4.66	4.65
AUSTRIA - Oberösterreich/Tyrol/Vienna									
	ATS								
la	2.58	2.15	2.05	17.77	14.81	14.12	18.76	15.83	14.90
lb	2.80	2.33	2.23	19.28	16.06	15.38	20.35	18.96	18.23
lc	2.04	1.70	1.60	14.03	11.69	11.01	14.82	12.35	11.82
ld	1.69	1.41	1.31	11.60	9.67	8.98	12.25	10.21	9.48
le	1.38	1.15	1.05	9.51	7.93	7.24	10.04	8.37	7.84
lf	1.31	1.10	1.00	9.04	7.54	6.85	9.55	7.96	7.23
lg	1.11	0.92	0.82	7.63	6.35	5.66	8.05	6.71	5.98
lh	1.05	0.87	0.77	7.22	6.02	5.33	7.62	6.35	5.82
li	0.96	0.80	0.70	6.64	5.53	4.84	7.01	5.84	5.11
PORTUGAL - Lisbon									
	PTE								
la	22,450	21,380	21,360	16.61	15.82	15.81	11.20	10.67	10.66
lb	22,010	20,960	20,950	16.29	15.51	15.50	10.98	10.48	10.45
lc	18,040	17,180	17,170	13.35	12.71	12.71	9.00	8.57	8.57
ld	15,390	14,660	14,660	11.39	10.85	10.65	7.68	7.32	7.32
le	13,610	12,960	12,960	10.07	9.59	9.59	6.79	6.47	6.47
lf	13,610	12,960	12,960	10.07	9.59	9.59	6.79	6.47	6.47
lg	11,100	10,570	10,570	8.21	7.82	7.82	5.54	5.27	5.27
lh	9,940	9,470	9,470	7.36	7.01	7.01	4.96	4.73	4.73
li	9,140	8,700	8,700	6.76	6.44	6.44	4.56	4.34	4.34
San Miguel Azores									
la	32,420	31,180	31,180	23.99	23.07	23.07	18.18	15.56	15.58
lb	29,270	28,150	28,150	21.66	20.83	20.83	14.61	14.05	14.05
lc	25,200	24,230	24,230	18.65	17.93	17.93	12.57	12.09	12.09
ld	22,460	21,600	21,600	16.62	15.98	15.98	11.21	10.78	10.78
le	20,620	19,830	19,830	15.26	14.67	14.67	10.29	9.90	9.90
lf	20,620	19,830	19,830	15.26	14.67	14.67	10.29	9.90	9.90
lg	:	:	:	:	:	:	:	:	:
lh	:	:	:	:	:	:	:	:	:
li	:	:	:	:	:	:	:	:	:
FINLAND - National									
	1 / 100 FIN								
la	43.03	35.27	32.89	6.67	5.47	5.07	7.23	5.93	5.49
lb	43.56	35.71	33.13	6.75	5.54	5.14	7.32	6.00	5.57
lc	40.33	33.06	30.48	6.25	5.12	4.72	6.78	5.55	5.12
ld	35.09	28.76	26.19	5.44	4.48	4.06	5.90	4.83	4.40
le	31.32	25.68	23.10	4.85	3.98	3.58	5.26	4.31	3.88
lf	30.91	25.33	22.76	4.79	3.93	3.53	5.19	4.28	3.82
lg	28.25	23.16	20.58	4.38	3.59	3.19	4.75	3.89	3.48
lh	23.47	19.23	16.66	3.64	2.98	2.58	3.94	3.23	2.80
li	22.62	18.54	15.97	3.51	2.87	2.48	3.80	3.11	2.68
SWEDEN - National									
	1 / 100 SEK								
la	70.50	56.40	56.40	6.63	5.30	5.30	7.76	6.20	6.20
lb	71.50	57.20	57.20	6.72	5.38	5.38	7.87	6.29	6.29
lc	62.00	49.60	49.60	5.83	4.66	4.66	6.82	5.46	5.46
ld	50.38	40.30	40.30	4.74	3.79	3.79	5.54	4.43	4.43
le	39.50	31.60	31.60	3.71	2.97	2.97	4.35	3.48	3.48
lf	36.00	28.80	28.80	3.38	2.71	2.71	3.96	3.17	3.17
lg	31.38	25.10	25.10	2.95	2.36	2.36	3.45	2.78	2.78
lh	31.13	24.90	24.90	2.93	2.34	2.34	3.42	2.74	2.74
li	29.13	23.30	23.30	2.74	2.19	2.19	3.20	2.56	2.56

Electricity prices for industry

January 1st, 1999

	National currency (/ kWh)			PPS (/ 100 kWh)			euro (/ 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	8.12	6.91	6.91	11,530	9,810	9,810	11,550	9,830	9,830
Ib	7.98	6.79	6.79	11,340	9,650	9,650	11,360	9,670	9,670
Ic	6.61	5.62	5.62	9,380	7,980	7,980	9,400	8,000	8,000
Id	5.47	4.66	4.66	7,770	6,620	6,620	7,790	6,630	6,630
Ie	4.91	4.16	4.16	6,970	5,930	5,930	6,980	5,940	5,940
If	:	:	:	:	:	:	:	:	:
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
Leeds									
Ia	7.79	6.63	6.63	11,060	9,410	9,410	11,090	9,430	9,430
Ib	7.78	6.62	6.62	11,040	9,400	9,400	11,070	9,420	9,420
Ic	7.49	6.37	6.37	10,830	9,050	9,050	10,660	9,070	9,070
Id	6.00	5.11	5.11	8,520	7,250	7,250	8,540	7,270	7,270
Ie	:	:	:	:	:	:	:	:	:
If	:	:	:	:	:	:	:	:	:
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
Birmingham									
Ia	8.45	7.19	7.19	12,000	10,210	10,210	12,020	10,230	10,230
Ib	8.39	7.14	7.14	11,910	10,140	10,140	11,940	10,160	10,160
Ic	7.20	6.13	6.13	10,220	8,700	8,700	10,240	8,720	8,720
Id	5.74	4.88	4.88	8,150	6,930	6,930	8,160	6,950	6,950
Ie	4.94	4.21	4.21	7,020	5,970	5,970	7,030	5,990	5,990
If	4.65	3.96	3.96	6,600	5,620	5,620	6,610	5,630	5,630
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
Glasgow									
Ia	8.68	7.39	7.39	12,330	10,490	10,490	12,350	10,510	10,510
Ib	8.40	7.15	7.15	11,930	10,160	10,160	11,960	10,180	10,180
Ic	:	:	:	:	:	:	:	:	:
Id	:	:	:	:	:	:	:	:	:
Ie	:	:	:	:	:	:	:	:	:
If	:	:	:	:	:	:	:	:	:
Ig	:	:	:	:	:	:	:	:	:
Ih	:	:	:	:	:	:	:	:	:
Ii	:	:	:	:	:	:	:	:	:
NORWAY (1) - National	1 / 100 NOK								
Ia	54,000	43,900	43,900	5.18	4.21	4.21	8.28	5.09	5.09
Ib	51,400	41,800	41,800	4.93	4.01	4.01	5.96	4.85	4.85
Ic	54,000	43,900	43,900	5.18	4.21	4.21	8.26	5.09	5.09
Id	42,500	34,500	34,500	4.08	3.31	3.31	4.93	4.00	4.00
Ie	36,600	29,800	29,800	3.51	2.86	2.86	4.25	3.46	3.46
If	31,300	25,400	25,400	3.00	2.44	2.44	3.63	2.95	2.95
Ig	25,300	20,600	20,600	2.43	1.98	1.98	2.93	2.39	2.39
Ih	24,000	19,500	19,500	2.30	1.87	1.87	2.78	2.26	2.26
Ii	23,300	19,000	19,000	2.24	1.82	1.82	2.70	2.20	2.20

(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

January 1st, 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								
	2.07	1.71	1.71	1.94	1.60	1.60	1.91	1.58	1.58
GERMANY - North-center	1 / 100 DEM								
Lowest	13.27	11.44	11.44	12.92	11.14	11.14	12.63	10.89	10.89
Highest	11.81	10.18	10.18	9.36	8.07	8.07	11.17	9.83	9.83
West									
Lowest	13.07	11.27	11.27	12.70	10.95	10.95	12.41	10.70	10.70
Highest	8.93	7.70	7.70	8.97	8.59	8.59	9.52	8.21	8.21
South									
Lowest	17.48	15.07	15.07	18.98	14.64	14.64	16.17	13.94	13.94
Highest	11.19	9.65	9.65	10.89	9.22	9.22	10.24	8.83	8.83
East									
Lowest	15.31	13.20	13.20	15.00	12.93	12.93	13.92	12.00	12.00
Highest	12.08	10.41	10.41	11.48	9.90	9.90	10.97	9.46	9.46
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

January 1st, 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	33.94	29.68	29.68	31.10	27.14	27.14	30.23	26.29	26.29
Base : -6%	31.90	27.90	27.90	29.24	25.51	25.51	28.42	24.71	24.71
Base : -8%	31.22	27.30	27.30	28.62	24.97	24.97	27.81	24.18	24.18
Base : -10%	30.54	26.71	26.71	27.99	24.42	24.42	27.21	23.66	23.66
ITALY - National	ITL								
	109.91	99.92	74.80	107.42	97.65	72.67	106.59	96.90	71.96
NETHERLANDS - National	1 / 100 NLG								
Lowest	11.42	9.72	9.72	11.52	9.80	9.80	:	:	:
Highest	12.30	10.47	10.47	12.44	10.59	10.59	:	:	:
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								
	4.12	3.50	3.50	3.80	3.23	3.23	:	:	:
NORWAY - National	1/100 NOK								
Lowest	11.10	9.00	9.00	6.30	5.10	5.10	7.40	6.00	6.00
Highest	26.80	21.80	21.80	26.60	21.60	21.60	26.40	21.50	21.50

DENMARK, IRELAND, LUXEMBOURG, AUSTRIA, FINLAND and SWEDEN: 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 la to li were chosen:

Standard Consumer	Annual consumption (kWh)	Maximum demand (kW)	Annual utilisation (in hours)
la	30 000	30	1 000
lb	50 000	50	1 000
lc	160 000	100	1 600
ld	1 250 000	500	2 500
le	2 000 000	500	4 000
lf	10 000 000	2 500	4 000
lg	24 000 000	4 000	6 000
lh	50 000 000	10 000	5 000
li	70 000 000	10 000	7 000

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 January 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)	9.08
D (DEM)	1.95583	IRL (IEP)	0.787564	A (ATS)	13.7603	UK (GBP)	0.70
EL (GRD)	323.56	I (ITL)	1936.27	P (PTE)	200.482	NO (NOK)	8.65

Further information:

➤ Databases

New Cronos
Sirene

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