

Combined Heat and Power (CHP) in the EU, Bulgaria, Romania and Turkey – 2004 data

OO

Legal basis: Directive 2004/8/EC on the promotion of cogeneration based on a useful heat demand in the internal energy market and amending Directive 92/42/EEC.

	CHP			Share of CHP in total electricity generation	CHP Electrical capacity, GW	CHP Heat		
	generation, TWh	Public supply	Auto- producers			production, PJ	Public supply	Auto- producers
EU-25	325.2	:	:	10.2%	88.42	2783.7	:	:
BE	7.18	86.2%	13.8%	8.4%	1.36	21.0	:	:
CZ	13.87	71.1%	28.9%	16.5%	5.28	152.9	67.5%	32.5%
DK	20.22	:	:	50.0%	5.74	121.8	:	:
DE	56.65	59.6%	40.4%	9.3%	20.83	534.3	48.0%	52.0%
EE	1.02	87.8%	12.2%	9.9%	0.42	11.9	80.9%	19.1%
EL	0.87	16.9%	83.1%	1.5%	0.22	8.8	21.6%	78.4%
ES	22.05	0.0%	100.0%	7.9%	3.71	170.2	0.0%	100.0%
FR	23.66	45.5%	54.5%	4.1%	6.19	199.9	29.9%	70.1%
IE	0.66	0.0%	100.0%	2.6%	0.13	4.3	0.0%	100.0%
IT	24.68	:	:	8.1%	5.11	189.6	:	:
CY	-	-	-	0.0%	0.00	-	-	-
LV	1.50	95.6%	4.4%	32.0%	0.59	12.5	93.1%	6.9%
LT	2.24	92.6%	7.4%	11.6%	1.04	18.3	91.8%	8.2%
LU	0.44	100.0%	0.0%	10.7%	0.10	2.2	100.0%	0.0%
HU	6.14	89.0%	11.0%	18.2%	1.77	42.3	77.3%	22.7%
MT	0.00	-	-	0.0%	0.00	0.0	-	-
NL	29.70	68.5%	31.5%	29.5%	6.98	215.0	53.5%	46.5%
AT	9.78	47.5%	52.5%	15.2%	3.21	94.6	32.1%	67.9%
PL	26.20	76.6%	23.4%	17.0%	8.21	280.6	61.6%	38.4%
PT	4.95	59.6%	40.4%	11.0%	1.06	55.9	43.2%	56.8%
SI	0.98	65.6%	34.4%	6.4%	0.34	14.8	45.1%	54.9%
SK	4.68	60.6%	39.4%	15.3%	1.12	24.2	82.5%	17.5%
FI	29.16	63.9%	36.1%	34.0%	5.93	270.7	42.5%	57.5%
SE	12.25	64.5%	35.5%	8.1%	3.42	138.9	48.5%	51.5%
UK	26.34	6.5%	93.5%	6.7%	5.65	199.2	5.2%	94.8%
BG	3.03	:	:	7.3%	1.31	49.0	:	:
RO	14.92	97.4%	2.6%	26.4%	5.51	126.3	84.4%	15.6%
TR	6.10	26.5%	73.5%	4.0%	0.79	90.2	6.8%	93.2%

Source: Eurostat

TWh = 1000 GWh

GW = 1000 MW

PJ = 1000 TJ = 1000/3.6 GWh

: data not available

A

G

	Fuel input into CHP, PJ	Solid fossil fuels	Oil and oil products	Natural gas	Renewables and wastes	Other fuels
EU-25	7432.0	36.7%	9.2%	37.4%	13.0%	3.7%
BE	55.3	2.2%	4.3%	80.4%	6.5%	6.6%
CZ	431.3	79.2%	1.8%	6.2%	8.4%	4.4%
DK	332.7	49.4%	5.4%	29.4%	15.9%	0.0%
DE	941.4	36.0%	7.6%	46.1%	9.4%	1.0%
EE	27.9	63.9%	0.2%	32.2%	3.8%	0.0%
EL	62.4	78.7%	16.7%	4.1%	0.4%	0.0%
ES	391.0	2.0%	14.5%	73.4%	9.6%	0.4%
FR	371.5	5.0%	8.5%	59.5%	26.1%	0.9%
IE	8.8	11.3%	6.4%	80.6%	1.8%	0.0%
IT	866.0	0.7%	24.5%	66.0%	5.2%	3.7%
CY	0.0	-	-	-	-	-
LV	23.3	0.0%	4.4%	91.6%	4.0%	0.0%
LT	41.6	0.0%	12.9%	86.2%	0.9%	0.0%
LU	4.1	0.0%	0.0%	94.9%	5.1%	0.0%
HU	91.7	10.0%	4.4%	79.5%	2.8%	3.3%
MT	0.0	-	-	-	-	-
NL	578.1	15.2%	6.5%	71.0%	5.7%	1.6%
AT	247.0	16.7%	11.8%	42.4%	24.2%	4.8%
PL	1409.7	93.2%	3.1%	2.3%	0.3%	1.0%
PT	100.3	0.0%	43.4%	18.3%	38.3%	0.0%
SI	64.0	83.4%	2.0%	8.8%	5.8%	0.0%
SK	267.3	27.7%	5.8%	11.4%	0.2%	54.9%
FI	533.3	30.3%	2.4%	22.6%	44.5%	0.3%
SE	225.8	10.0%	18.1%	5.1%	61.2%	5.6%
UK	357.7	4.2%	10.4%	59.5%	23.1%	2.9%
BG	111.5	54.8%	1.2%	28.7%	1.0%	14.3%
RO	250.9	40.3%	12.5%	45.5%	0.0%	1.7%
TR	274.1	7.0%	25.8%	54.0%	4.4%	8.8%

Source: Eurostat

Notes:

1. In Cyprus and Malta there is no CHP generation.
2. Data for Luxembourg are estimations.
3. The fuel input into CHP refers to fuel used for heat production in a cogeneration process and for gross electricity generation in CHP units, CHP and non-CHP electricity. For the UK the fuel input refers only to CHP electricity and heat generation, i.e. fuel for non-CHP electricity is excluded.
4. The fuel input is based on Net Calorific Value.
5. The Public supply producers generate electricity and heat for sale as their primary activity. Autoproducers generate electricity and heat wholly or partially for their own use as an activity which supports their primary activity.
6. Share of CHP electricity generation is calculated as the CHP electricity generation divided by the total gross electricity generation, including generation in pumped storage power stations.

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