

# Combined Heat and Power (CHP) in the EU and Turkey - 2005 data

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ENVIRONMENT AND ENERGY

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	CHP electricity generation, TWh	Main activity producers	Auto- producers	Share of CHP in total electricity generation	CHP Electrical capacity, GW	CHP Heat production, PJ	Main activity producers	Auto- producers
EU-27	365.7	:	:	11.1%	101.6	3112.4	:	:
EU-25	347.5	:	:	10.8%	95.2	2966.6	:	:
EU-15	290.0	:	:	10.2%	76.1	2434.7		
BE	7.36	71.7%	28.3%	8.5%	1.89	75.9	35.3%	64.7%
BG	2.72	84.1%	15.9%	6.1%	1.19	50.4	67.3%	32.7%
CZ	13.87	71.1%	28.9%	16.8%	5.20	150.7	67.5%	32.5%
DK	18.89	:	:	52.1%	5.69	119.0	:	:
DE	77.85	67.2%	32.8%	12.6%	20.84	652.5	56.0%	44.0%
EE	1.04	88.8%	11.2%	10.2%	1.60	11.5	80.9%	19.1%
EL	1.02	9.1%	90.9%	1.7%	0.24	9.7	22.2%	77.8%
ES	22.88	0.0%	100.0%	7.8%	3.05	192.5	100.0%	0.0%
FR	23.21	41.9%	58.1%	4.0%	6.60	209.2	26.7%	73.3%
IE	0.60	0.0%	100.0%	2.4%	0.11	4.4	100.0%	0.0%
IT	27.39	:	:	9.0%	5.89	193.1	:	:
CY	0.01	0.0%	100.0%	0.3%	0.01	0.1	0.0%	100.0%
LV	1.51	96.3%	3.7%	30.7%	0.59	11.9	93.0%	7.0%
LT	2.30	92.5%	7.5%	15.5%	1.04	19.9	94.0%	6.0%
LU	0.42	0.0%	100.0%	10.1%	0.10	1.2	0.0%	100.0%
HU	6.84	93.4%	6.6%	19.1%	2.05	47.4	82.6%	17.4%
MT	0.00	0.0%	0.0%	0.0%	0.00	0.0	0.0%	0.0%
NL	29.47	:	:	29.4%	7.16	220.3	:	:
AT	10.13	47.4%	52.6%	15.4%	3.25	95.8	31.9%	68.1%
PL	26.30	77.4%	22.6%	16.8%	8.31	275.4	61.6%	38.4%
PT	5.42	68.1%	31.9%	11.6%	1.08	59.6	46.4%	53.6%
RO	15.55	94.6%	5.4%	26.2%	5.25	95.4	85.5%	14.5%
SI	1.10	:	:	7.3%	0.34	15.0	:	:
SK	4.80	55.0%	45.0%	15.3%	5.41	33.7	58.4%	41.6%
FI	27.46	69.1%	30.9%	38.9%	5.83	250.0	50.7%	49.3%
SE	10.67	:	:	6.7%	3.49	132.7	48.4%	51.6%
UK	27.24	9.4%	90.6%	6.8%	5.44	185.2	7.3%	92.7%
TR	7.19	29.7%	70.3%	4.4%	:	91.6	16.0%	84.0%

Source: Eurostat

TWh = 1000 GWh  
: data not available

GW = 1000 MW

PJ = 1000 TJ

	Fuel input into CHP PJ	Solid fossil fuels	Oil and oil products	Natural gas	Renewables	Other fuels
EU-27	8259.4	35.4%	6.5%	39.2%	9.0%	9.9%
EU-25	7884.0	34.8%	6.4%	39.2%	9.4%	10.2%
EU-15	5570.1	16.6%	7.9%	52.3%	12.9%	10.3%
BE	141.1	1.8%	3.2%	60.4%	1.4%	33.1%
BG	110.0	55.3%	8.2%	30.5%	0.0%	6.0%
CZ	431.3	79.1%	1.7%	9.2%	5.0%	5.0%
DK	299.2	46.4%	4.6%	29.1%	16.9%	3.0%
DE	1204.8	31.0%	5.2%	50.6%	5.3%	7.9%
EE	21.8	49.1%	0.4%	43.3%	7.1%	0.0%
EL	85.3	82.9%	3.3%	3.8%	0.4%	9.7%
ES	406.3	1.8%	9.0%	76.1%	0.0%	13.1%
FR	407.5	5.0%	4.3%	53.5%	23.2%	14.0%
IE	8.4	14.6%	0.1%	76.9%	1.8%	6.7%
IT	887.8	0.8%	18.8%	67.4%	3.5%	9.5%
CY	0.3	0.0%	100.0%	0.0%	0.0%	0.0%
LV	21.9	0.0%	2.4%	91.9%	5.7%	0.0%
LT	45.0	0.0%	12.6%	86.9%	0.5%	0.0%
LU	4.8	0.0%	0.0%	100.0%	0.0%	0.0%
HU	97.7	7.0%	1.7%	79.6%	1.2%	10.5%
MT	0.0	n.a.	n.a.	n.a.	n.a.	n.a.
NL	597.5	14.1%	2.4%	69.5%	2.1%	11.9%
AT	252.6	14.9%	9.3%	45.0%	20.2%	10.6%
PL	1489.8	92.1%	2.9%	2.7%	1.0%	1.2%
PT	103.7	0.0%	37.1%	21.0%	36.8%	5.1%
RO	265.4	45.5%	10.5%	42.9%	0.0%	1.1%
SI	64.0	84.0%	1.8%	8.6%	5.5%	0.2%
SK	327.7	25.7%	4.5%	8.2%	0.2%	61.4%
FI	466.9	27.2%	2.3%	23.3%	44.6%	2.7%
SE	211.4	9.6%	11.2%	4.2%	65.6%	9.4%
UK	343.4	3.0%	4.0%	71.7%	1.9%	19.3%
TR	258.4	8.0%	20.8%	62.5%	0.2%	8.5%

## METHODOLOGICAL NOTES

1. In Malta there is no CHP generation.
2. Data for Luxembourg are estimations.
3. Other fuels includes industrial wastes and coal gases.
4. Spain declared all renewables and wastes under category "Other renewables and wastes".
5. According to the implementation guidelines of the Directive 2004/8/EC the fuel input into CHP refers to fuel used for CHP heat and electricity production, i.e. fuel for non-CHP electricity and heat is excluded. However, these guidelines have not been adopted yet, and the reporting practises may vary between Member States.
6. The fuel input is based on Net Calorific Value.
7. The Main activity 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.
8. 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.

## FURTHER INFORMATION

### European Statistical Data Support

Contact details for this support network can be found on the Eurostat Internet site:  
<http://ec.europa.eu/eurostat> → Services: Help/Data support