

Combined Heat and Power (CHP) in the EU, Turkey, and Norway – 2007 data

	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
European Union (EU-27)	364.4	:	:	10.9%	97.7	3042.2	:	:
EU-25	353.8	:	:	10.9%	91.9	2911.6	:	:
Euro area	240.0	:	:	10.3%	57.6	1984.1	:	:
Belgium	11.09	78.7%	21.3%	12.5%	2.09	77.0	33.5%	66.5%
Bulgaria	4.05	69.3%	30.7%	9.4%	1.30	57.3	71.5%	28.5%
Czech Republic	11.43	66.9%	33.1%	13.0%	4.63	124.5	57.2%	42.8%
Denmark	16.74	:	:	42.8%	5.60	109.2	:	:
Germany	77.50	66.8%	33.2%	12.2%	21.06	633.4	54.6%	45.4%
Estonia ^c	0.87	86.8%	13.2%	7.1%	1.61	10.0	76.9%	23.1%
Ireland ^c	1.78	0.0%	100.0%	6.3%	0.27	11.6	0.0%	100.0%
Greece	1.02	100.0%	0.0%	1.6%	0.22	9.5	100.0%	0.0%
Spain	21.65	0.0%	100.0%	7.1%	3.75	191.3	0.0%	100.0%
France	18.43	46.2%	53.8%	3.2%	5.34	189.1	31.0%	69.0%
Italy	32.33	58.8%	41.2%	10.3%	6.13	204.4	40.8%	59.2%
Cyprus	0.01	0.0%	100.0%	0.3%	0.01	0.1	0.0%	100.0%
Latvia	1.95	97.4%	2.6%	40.9%	0.57	9.8	97.4%	2.6%
Lithuania	1.84	85.4%	14.6%	13.2%	1.05	16.9	81.1%	18.9%
Luxembourg ^c	0.40	100.0%	0.0%	9.9%	0.11	2.3	100.0%	0.0%
Hungary	8.57	94.1%	5.9%	21.4%	0.22	49.2	85.4%	14.6%
Malta	0.00	-	-	0.0%	0.00	0.0	-	-
Netherlands	31.05	:	:	30.1%	8.34	223.3	:	:
Austria	9.90	42.4%	57.6%	15.6%	3.08	97.9	32.7%	67.3%
Poland	27.57	73.4%	26.6%	17.3%	9.02	261.0	61.5%	38.5%
Portugal	5.82	68.9%	31.1%	12.3%	1.07	63.0	48.1%	51.9%
Romania ^b	6.62	85.4%	14.6%	10.7%	4.48	73.2	84.2%	15.8%
Slovenia	1.09	75.3%	24.7%	7.2%	0.33	11.9	56.2%	43.8%
Slovakia	7.19	67.6%	32.4%	25.6%	2.16	28.1	60.9%	39.1%
Finland	27.92	66.2%	33.8%	34.4%	5.82	269.4	48.8%	51.2%
Sweden	12.28	51.8%	48.2%	8.2%	3.99	155.9	45.4%	54.6%
United Kingdom	25.34	0.7%	99.3%	6.4%	5.47	163.0	0.9%	99.1%
Turkey ^a	8.82	28.9%	71.1%	4.6%	4.44	101.5	23.6%	76.4%
Norway	0.15	100.0%	0.0%	0.1%	:	3.8	100.0%	0.0%

: data not available

TWh = 1000 GWh

GW = 1000 MW

Source: Eurostat

PJ = 1000 TJ

^a - Only gross electrical capacity reported

^b - CHP electrical capacity reported equal to gross capacity

^c - CHP electrical capacity and electricity generation reported equal to gross capacity and generation

- not applicable

	Fuel input into CHP PJ	Solid fossil fuels	Oil and oil products	Natural gas	Renewables	Other fuels
European Union (EU-27)	8412.2	34.6%	5.9%	38.4%	11.9%	9.2%
Euro area	4868.5	15.4%	7.8%	52.9%	14.6%	9.4%
Belgium	147.0	1.5%	2.5%	65.0%	8.9%	22.2%
Bulgaria	113.9	55.7%	5.0%	34.4%	0.0%	4.9%
Czech	390.6	83.5%	1.7%	4.4%	4.0%	6.5%
Denmark	318.9	55.0%	3.6%	21.9%	16.3%	3.2%
Germany	1319.0	23.4%	4.5%	46.1%	15.0%	11.0%
Estonia	24.0	60.9%	0.4%	31.6%	7.0%	0.0%
Ireland	21.7	3.7%	0.1%	93.1%	0.6%	2.6%
Greece	87.4	89.1%	0.6%	0.6%	0.3%	9.5%
Spain ^d	415.4	1.6%	8.8%	77.0%	0.0%	12.7%
France	378.2	4.4%	2.1%	56.2%	22.3%	14.9%
Italy	993.5	0.5%	19.1%	67.9%	5.2%	7.3%
Cyprus	0.3	0.0%	100.0%	0.0%	0.0%	0.0%
Latvia	20.0	0.9%	2.2%	93.8%	3.0%	0.0%
Lithuania	39.4	0.7%	16.7%	78.6%	4.0%	0.0%
Luxembourg	4.1	0.0%	0.0%	89.9%	10.1%	0.0%
Hungary	104.4	6.3%	0.2%	82.0%	3.4%	8.1%
Malta	0.0	-	-	-	-	-
Netherlands	585.3	14.7%	2.5%	70.7%	5.1%	6.9%
Austria	235.2	11.4%	9.0%	38.6%	27.2%	13.9%
Poland	1508.4	91.1%	2.9%	2.5%	1.9%	1.6%
Portugal	106.1	0.0%	33.9%	23.8%	37.7%	4.7%
Romania	221.4	52.1%	6.2%	40.8%	0.0%	0.9%
Slovenia	64.2	86.6%	0.4%	9.6%	3.3%	0.2%
Slovakia	243.0	24.1%	1.8%	9.8%	1.2%	63.1%
Finland	511.1	31.8%	1.9%	20.0%	43.9%	2.4%
Sweden	241.3	7.6%	7.4%	5.3%	72.8%	7.0%
United Kingdom	318.5	4.1%	2.1%	69.9%	2.4%	21.6%
Turkey	291.1	6.5%	14.2%	70.1%	0.5%	8.7%
Norway	4.8	15.7%	0.0%	0.4%	42.0%	42.0%

^d - Other fuels include renewables

Methodology

1. In Malta there is no CHP generation.
2. The fuel input is based on Net Calorific Values.
3. Category "Other fuels" includes amongst others industrial wastes and coal gases.
4. The data collection is based on Directive 2004/8/EC. According to the implementation guidelines of this Directive (Commission Decision 2008/952/EC) the fuel input refers to fuel used for CHP heat and electricity generation, i.e. the fuel for non-CHP electricity and heat is excluded. However, these implementation guidelines were adopted only recently and the reporting practices may differ between Member States.
5. 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.
6. The share of CHP electricity generation is calculated as the CHP electricity generation divided by the total gross electricity generation, including the generation in pumped storage power stations.

Further information

European Statistical Data Support:

Contact details for this support network can be found on our Internet site:

<http://ec.europa.eu/eurostat/>

Data

Data on "Energy":

<http://epp.eurostat.ec.europa.eu/portal/page/portal/energy/data/database>

More information about "Energy":

<http://epp.eurostat.ec.europa.eu/portal/page/portal/energy/introduction>