

Datum
2010-11-30

Analysavdelningen
Enheten för energimarknader och tillförsel

D:nr 00-10-848

Regeringskansliet
Näringsdepartementet
103 33 STOCKHOLM

Rapportering av nationellt kraftvärmeproducerad elkraft och värme

Härmed redovisas statistiska uppgifter om nationell kraftvärmeproducerad elkraft och värme i enlighet med Europaparlamentet och rådets direktiv 2004/8/EG av den 11 februari 2004. Rapporteringsperioden avser 2009.

Redovisningen är en återrapportering av uppdraget "Kraftvärmestatistik" i promemoria daterad 2009-12-18 till *Regleringsbrev för budgetåret 2010 avseende Statens energimyndighet m.m.* inom utgiftsområde 21 Energi.

Beslut i detta ärende har fattats av enhetschef Paul Westin. Vid den slutliga handläggningen har därutöver deltagit handläggaren Daniel Andersson, den sistnämnda föredragande.

Bilaga:

CHP Supplementary Reporting for European Union Countries under the EU Directive 2004/8/EC


Paul Westin
Daniel Andersson

CHP Supplementary Reporting for European Union Countries Under the EU DIRECTIVE 2004/8/EC
Table EU-2: OPERATIONAL CHP UNITS FUEL INPUT

Sweden

2008		Units	MAIN ACTIVITY PRODUCER PLANTS	AUTOPRODUCERS PLANTS	TOTAL
HARD COAL	1 st	10 ³ t	327	2	329
	2	TJ (NCV)	8732	42	8774
SUB-BITUMINIOUS COAL	3	10 ³ t	0	0	0
	4	TJ (NCV)	0	0	0
BROWN COAL	5	10 ³ t	0	0	0
	6	TJ (NCV)	0	0	0
PEAT	7	10 ³ t	624	28	652
	8	TJ (NCV)	6279	279	6558
COKE OVEN GAS	9	TJ (GCV)	0	0	0
	10	TJ (NCV)	55	5	60
BLAST FURNACE AND OXYGEN STEEL FURNACE GAS	11	TJ (GCV)	0	0	0
	12	TJ (NCV)	3871	77	3748
OTHER COAL PRODUCTS (SOLID)	13	10 ³ t	0	0	0
	14	TJ (NCV)	0	0	0
RESIDUAL FUEL OIL	15	10 ³ t	88	0	88
	16	TJ (NCV)	3736	8013	11749
REFINERY GAS	17	10 ³ t	0	0	0
	18	TJ (NCV)	0	226	226
OTHER LIQUID FOSSIL FUELS	19	10 ³ t	11	1	12
	20	TJ (NCV)	477	27	504
NATURAL GAS AND GAS WORKS GAS	21	TJ (GCV)	0	0	0
	22	TJ (NCV)	13304	1635	14939
SOLID BIOMASS	23	TJ (NCV)	51170	122024	173194
INDUSTRIAL WASTE	24	TJ (NCV)	526	0	526
MUNICIPAL WASTE (RENEWABLE)	25	TJ (NCV)	15951	0	15951
MUNICIPAL WASTE (NON-RENEWABLE)	26	TJ (NCV)	10634	0	10634
BIOGAS	27	TJ (NCV)	19	0	19
OTHER RENEWABLES AND WASTES	28	10 ³ t	78	37	113
	29	TJ (NCV)	3815	1903	5718
NUCLEAR HEAT	30	TJ (NCV)	0	0	0
TOTAL	31	TJ (NCV)	118369	134231	252600

NCV - Net Calorific Value
GCV - Gross Calorific Value

CHP Supplementary Reporting for European Union Countries Under the EU DIRECTIVE 2004/8/EC
Table EU-1: Electricity and Heat production by CHP Units

Sweden
2008

Completely CHP Units (Efficiency ≥ 75%)									
Type of cycle		Maximum capacity			Production			Fuel Input	Number of Units
		Electricity		Heat	Electricity		Heat		
		CHP	Gross	Net	CHP	Gross	CHP		
		MW	MW	MW	GWh	GWh	TJ		
		A	B	C	D	F	G		
Combined cycle (eff ≥ 80%)	1	261	261	292	980	980	4170	8500	1
Gas turbine with heat recovery	2	0	0	0	0	0	0	0	0
Internal Combustion engine	3	14	14	17	42	42	188	408	3
Steam: backpressure turbine	4	3814	3814	6851	11605	11605	132772	194034	91
Steam: condensing turbine (eff ≥ 80%)	5	0	0	0	0	0	0	0	0
Others	6	0	0	0	0	0	0	0	0
Subtotal (1+2+3+4+5+6)	7	4089	4089	7160	12627	12627	137130	202942	95
Units with a non-CHP component (Efficiency < 75%)									
Type of cycle		Maximum capacity			Production			Fuel Input	Number of Units
		Electricity		Heat	Electricity		Heat		
		CHP	Gross	Net	CHP	Gross	CHP		
		MW	MW	MW	GWh	GWh	TJ		
Combined cycle (eff ≥ 80%)	8	0	0	0	0	0	0	0	0
Gas turbine with heat recovery	9	22	22	37	57	53	346	826	1
Internal Combustion engine	10	0	0	0	0	0	0	0	0
Steam: backpressure turbine	11	409	571	1631	1660	1687	23898	48832	13
Steam: condensing turbine (eff ≥ 80%)	12	0	0	0	0	0	0	0	0
Others	13	0	0	0	0	0	0	0	0
Subtotal (8+9+10+11+12+13)	14	431	593	1668	1717	1740	24244	49658	14
Total (7+14)	15	4520	4682	8828	14344	14367	161374	252600	109
<i>of which Autoproducers</i>	16	1141	1141	4555	5601	5601	80656	134231	30

CHP Supplementary Reporting for European Union Countries Under the EU DIRECTIVE 2004/8/EC
Table EU-2: OPERATIONAL CHP UNITS FUEL INPUT

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