

Datum
2009-11-30Systemanalysavdelningen
Enheten för energimarknader och tillförsel

D:nr 00-09-558

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 2008.

Redovisningen är en återrapportering av uppdraget "Kraftvärmestatistik" i promemoria daterad 2008-12-18 till *Regleringsbrev för budgetåret 2009 avseende Statens energimyndighet m.m.* inom utgiftsområde 21 Energi.

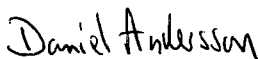
Beslut i detta ärende har fattats av enhetschef Paul Westin. Vid den slutliga handläggningen har därutöver deltagit handläggaren Daniel Andersson, den sistnämnda föredragande.

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-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	TJ (NCV)	H	I	n	
		CHP	Gross	Net	CHP	Gross	CHP					
		MW	MW	MW	GW/h	GW/h	TJ					
		A	B	C	D	F	G					
Combined cycle (eff = 80%)	1	290	290	292	589	589	2361	4887		3		
Gas turbine with heat recovery	2	22	22	37	97	97	621	1082		1		
Internal Combustion engine	3	34	34	31	43	43	183	409		5		
Steam: backpressure turbine	4	3524	3524	10120	12352	12352	149679	219214		89		
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	3670	3670	10480	13081	13081	152844	225592		98		
Units with a non-CHP component (Efficiency < 75%)												
Type of cycle		Maximum capacity			Production			Fuel Input		Number of Units		
		Electricity		Heat	Electricity		Heat	TJ (NCV)	n			
		CHP	Gross	Net	CHP	Gross	CHP					
		MW	MW	MW	GW/h	GW/h	TJ					
Combined cycle (eff = 80%)	8	0	0	0	0	0	0	0		0		
Gas turbine with heat recovery	9	0	0	0	0	0	0	0		0		
Internal Combustion engine	10	0	0	0	0	0	0	0		0		
Steam: backpressure turbine	11	317	242	874	1268	1002	12026	21433		11		
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	317	242	874	1268	1002	12026	21433		11		
Total (7+14)	15	4187	4112	11354	14349	14083	164870	247025		109		
of which Autoproducers	16	1352	1205	4113	6871	6331	91178	129320		36		

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	10 ³ t	319	5	324
	2	TJ (NCV)	8424	80	8504
	3	10 ³ t			0
	4	TJ (NCV)			0
	5	10 ³ t			0
BROWN COAL	6	TJ (NCV)			0
	7	10 ³ t	808	20	828
PEAT	8	TJ (NCV)	9283	195	9478
	9	TJ (GCV)	293	35	328
COKE OVEN GAS	10	TJ (NCV)	293	35	328
	11	TJ (GCV)	4023	150	4173
BLAST FURNACE AND OXYGEN STEEL FURNACE GAS	12	TJ (NCV)	4023	150	4173
	13	10 ³ t			0
OTHER COAL PRODUCTS (SOLID)	14	TJ (NCV)			0
	15	10 ³ t	37	271	308
RESIDUAL FUEL OIL	16	TJ (NCV)	1591	11595	13186
	17	10 ³ t			0
REFINERY GAS	18	TJ (NCV)			0
	19	10 ³ t	9	0	9
OTHER LIQUID FOSSIL FUELS	20	TJ (NCV)	362	10	372
	21	TJ (GCV)	8204	1255	10459
NATURAL GAS AND GAS WORKS GAS	22	TJ (NCV)	9204	1255	10459
	23	TJ (NCV)	52770	114910	167680
SOLID BIOMASS	24	TJ (NCV)	226		226
INDUSTRIAL WASTE	25	TJ (NCV)	18029	0	18029
MUNICIPAL WASTE (RENEWABLE)	26	TJ (NCV)	12019	0	12019
MUNICIPAL WASTE (NON-RENEWABLE)	27	TJ (NCV)	279	0	279
BIOGAS	28	10 ³ t			0
OTHER RENEWABLES AND WASTES	29	TJ (NCV)	1202	1090	2292
	30	TJ (NCV)			0
NUCLEAR HEAT	31	TJ (NCV)	117705	129320	247025
TOTAL	31	TJ (NCV)	117705	129320	247025

NCV - Net Calorific Value
GCV - Gross Calorific Value