

Systemanalysavdelningen
Enheten för energimarknader och tillförsel

Regeringskansliet
Näringsdepartementet
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Rapportering av nationellt kraftvärmeproducerad elkraft och värme

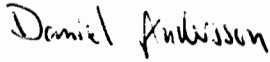
Härmed redovisas statistiska uppgifter om nationell kraftvärmeproducerad elkraft och värme i enlighet med Europaparlamentet och rådets direktiv 2004/8/EG av den 11 februari 2004. Rapporteringsperioden avser 2006.

Redovisningen är en återrapportering av uppdrag 12 "Kraftvärmestatistik" i *Regleringsbrev för budgetåret 2007 avseende Statens energimyndighet m.m.* inom utgiftsområde 21 Energi.

Beslut i detta ärende har fattats av generaldirektör Thomas Korsfeldt. Vid den slutliga handläggningen har därutöver deltagit avdelningschef Zofia Lublin samt handläggaren Daniel Andersson, den sistnämnda föredragande.

Bilaga:

CHP Supplementary Reporting for European Union Countries under the EU Directive 2004/8/EC, 2006


Thomas Korsfeldt
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
2006

| Completely CHP Units (Efficiency ≥ 75%) | | | | | | | | | | | | | |
|---|----|------------------|------|-------|-------------|-------|------------|--------|-----|-----|------------|-----------------|--|
| Type of cycle | | Maximum capacity | | | | Heat | Production | | | | Fuel Input | Number of Units | |
| | | Electricity | | Gross | Electricity | | Gross | Heat | | | | | |
| | | CHP | MW | | CHP | | | GW/h | TJ | CHP | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| A | B | C | D | F | G | H | I | | | | | | |
| Combined cycle (eff ≥ 80%) | 1 | 317 | 317 | 478 | 368 | 368 | 1485 | 3033 | 2 | | | | |
| Gas turbine with heat recovery | 2 | 26 | 26 | 43 | 101 | 101 | 738 | 1191 | 2 | | | | |
| Internal Combustion engine | 3 | 39 | 39 | 109 | 61 | 61 | 315 | 646 | 8 | | | | |
| Steam: backpressure turbine | 4 | 3249 | 3249 | 9093 | 10603 | 10603 | 125018 | 195617 | 79 | | | | |
| Steam: condensing turbine (eff ≥ 80%) | 5 | | | | | | | | | | | | |
| Others | 6 | | | | | | | | | | | | |
| Subtotal (1+2+3+4+5+6) | 7 | 3631 | 3631 | 9723 | 11133 | 11133 | 127556 | 200487 | 91 | | | | |
| Units with a non-CHP component (Efficiency < 75%) | | | | | | | | | | | | | |
| Type of cycle | | Maximum capacity | | | | Heat | Production | | | | Fuel Input | Number of Units | |
| | | Electricity | | Gross | Electricity | | Gross | Heat | | | | | |
| | | CHP | MW | | CHP | | | GW/h | TJ | CHP | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 8 | 9 | 30 | 33 | 30 | 142 | 233 | 2 | | | | | | |
| Combined cycle (eff ≥ 80%) | 8 | 28 | 30 | 33 | 30 | 8 | 142 | 233 | 2 | | | | |
| Gas turbine with heat recovery | 9 | | | | | | | | | | | | |
| Internal Combustion engine | 10 | 1 | 2 | 3 | 2 | 6 | 40 | 88 | 1 | | | | |
| Steam: backpressure turbine | 11 | 78 | 267 | 956 | 267 | 1050 | 13719 | 30454 | 10 | | | | |
| 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 | 107 | 299 | 992 | 299 | 1064 | 13901 | 30773 | 13 | | | | |
| Total (7+14) | 15 | 3738 | 3930 | 10715 | 11432 | 12197 | 141457 | 231260 | 104 | | | | |
| of which Autoproducers | 16 | 827 | 950 | 3803 | 4332 | 4922 | 70887 | 115360 | 34 | | | | |

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

Sweden

| 2006 | Units | MAIN ACTIVITY PRODUCER PLANTS | AUTOPRODUCERS PLANTS | TOTAL |
|---|----------------------|----------------------------------|-------------------------|--------|
| HARD COAL | 1 10 ³ t | 538 | 14 | 552 |
| | 2 TJ (NCV) | 14270 | 347 | 14617 |
| SUB-BITUMINOUS 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 | 581 | 60 | 641 |
| | 8 TJ (NCV) | 6755 | 498 | 7253 |
| COKE OVEN GAS | 9 TJ (GCV) | 357 | 14 | 371 |
| | 10 TJ (NCV) | 357 | 14 | 371 |
| BLAST FURNACE AND OXYGEN STEEL FURNACE GAS | 11 TJ (GCV) | 4089 | 192 | 4281 |
| | 12 TJ (NCV) | 4089 | 192 | 4281 |
| OTHER COAL PRODUCTS (SOLID) | 13 10 ³ t | 0 | 0 | 0 |
| | 14 TJ (NCV) | 0 | 0 | 0 |
| RESIDUAL FUEL OIL | 15 10 ³ t | 83 | 515 | 598 |
| | 16 TJ (NCV) | 6937 | 19731 | 26668 |
| REFINERY GAS | 17 10 ³ t | 0 | 0 | 0 |
| | 18 TJ (NCV) | 104 | 0 | 104 |
| OTHER LIQUID FOSSIL FUELS | 19 10 ³ t | 9 | 2 | 11 |
| | 20 TJ (NCV) | 328 | 58 | 386 |
| NATURAL GAS AND GAS WORKS GAS | 21 TJ (GCV) | 7622 | 1649 | 9271 |
| | 22 TJ (NCV) | 7622 | 1649 | 9271 |
| SOLID BIOMASS | 23 TJ (NCV) | 44789 | 91371 | 136160 |
| INDUSTRIAL WASTE | 24 TJ (NCV) | 0 | 0 | 0 |
| MUNICIPAL WASTE (RENEWABLE) | 25 TJ (NCV) | 7919 | 0 | 7919 |
| MUNICIPAL WASTE (NON-RENEWABLE) | 26 TJ (NCV) | 11878 | 0 | 11878 |
| BIOGAS | 27 TJ (NCV) | 507 | 0 | 507 |
| OTHER RENEWABLES AND WASTES | 28 10 ³ t | 0 | 0 | 0 |
| | 29 TJ (NCV) | 10345 | 1500 | 11845 |
| NUCLEAR HEAT | 30 TJ (NCV) | 0 | 0 | 0 |
| TOTAL | 31 TJ (NCV) | 115900 | 115360 | 231260 |

NCV - Net Calorific Value
GCV - Gross Calorific Value