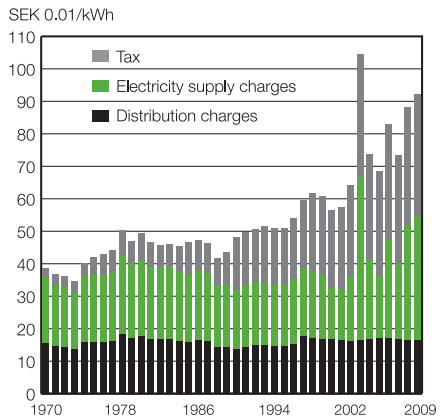


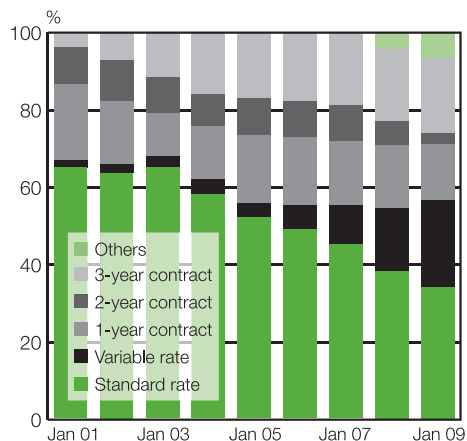
Breakdown of total electricity price for a single-family home with electrical heating and a variable rate contract, 1990 prices, in January of each year.

Sources: Swedish Energy Agency; Statistics Sweden



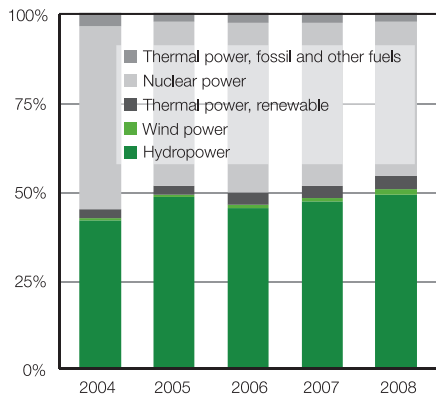
Customer mobility, January 2001–2009.

Source: Statistics Sweden



Development of renewable electricity generation 2004–2008.

Source: Swedenergy



Gross electricity consumption. Source: IEA

Country	Consumption per capita, kWh		Total consumption, TWh
	2007	2008	
Iceland.....	38,400	50,700 ↗	16.2
Norway.....	26,800	27,200 ↘	129.0
Canada.....	18,000	17,900 ↘	582.9
Luxembourg.....	16,800	16,700 ↘	7.9
Finland.....	17,000	16,500 ↘	87.3
Sweden.....	16,000	15,600 ↘	144.4
USA.....	13,900	13,600 ↘	4 187.5
Australia.....	11,700	12,300 ↗	251.0
New Zealand.....	10,300	10,600 ↗	44.3
Belgium.....	8,700	8,600 ↘	91.6
Japan.....	8,300	8,600 ↗	1 104.0
Switzerland.....	8,700	8,600 ↘	65.5
France.....	7,900	8,000 ↗	501.0
Austria.....	8,000	8,000	66.6
Netherlands.....	7,100	7,200 ↗	118.4
Germany.....	6,900	7,200 ↗	592.2
Ireland.....	6,500	6,700 ↗	29.7
Denmark.....	6,600	6,600	36.1
Czech Republic.....	6,300	6,400 ↗	65.6
UK.....	6,300	6,200 ↘	383.9
Spain.....	6,500	5,900 ↘	276.4
Italy.....	5,800	5,800	343.9
Greece.....	5,600	5,700 ↗	64.5
Poland.....	3,700	3,700	139.9

Units of measurement

1 kilowatt (kW).....	= 1,000 watt (W)
1 megawatt (MW).....	= 1,000 kW
1 gigawatt (GW).....	= 1,000,000 kW
1 megawatt hour (MWh).....	= 1,000 kilowatt hours (kWh)
1 gigawatt hour (GWh).....	= 1,000,000 kWh
1 terawatt hour (TWh).....	= 1,000,000,000 kWh



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QUICK FACTS ABOUT SWEDEN AND ENERGY

2009 edition



Published by Swedenergy

All data refers to 1 January 2009 or the full year 2008

Sweden's surface area		449,964 km ²	
cultivated land and grassland.....	10%		
forests.....	50%		
mountains.....	25%		
lakes.....	10%		
cities.....	5%		
Maximum length.....	1,574 km		
Maximum width.....	499 km		
Population 31 Dec. 2008		9 256 347	
Per square km of land surface	21		
Gainfully employed population	4,554,000		
National income, SEK M		2007	2008
Gross domestic product.....	3,063,873	3,156,881	
Gross investment.....	603,616	620,931	
Household consumption.....	1,430,136	1,466,921	
Public consumption.....	603,616	834,361	
Foreign trade, SEK M		2007	2008
Export of goods and services.....	1,612,249	1,711,467	
Import of goods and services.....	1,374,891	1,476,799	

Energy consumption by sector according to Statistics Sweden (TWh)				
	2006	2007	2008*	
Industrial	157	155	151	38%
Public transport	101	102	103	26%
Residential, service, etc.	143	143	141	36%
Total	401	400	395	100%

* Preliminary data from Swedenergy

Breakdown of electricity usage by sector (TWh)				
	2006	2007	2008*	
Industrial	57.4	57.9	56.4	39%
Service	35.8	36.5	36.6	25%
Residential	42.2	40.9	39.8	28%
Transmission losses	10.8	10.7	11.1	8%
Total	146.2	146.0	143.9	100%

* Preliminary data from Swedenergy

Electrical energy balance (net TWh).				
Sources: Statistics Sweden and Swedenergy				
	2006	2007	2008*	
Domestic production	140.3	145.0	146.0	100%
Renewable	71.5	76.9	81.4	55,7%
Hydropower	61.1	65.6	68.4	
Wind power	1.0	1.4	2.0	
Thermal power	9.4	9.8	11.0	7,5%
CHP, district heating	4.6	4.7	5.3	
CHP, industry	4.7	5.0	5.3	
Condensing power	0.1	0.2	0.4	
Nuclear power	65.0	64.3	61.3	42,0%
Other thermal power (fossil and other fuels)	3.8	3.9	3.4	2,3%
CHP, district heating	2.3	2.4	1.9	
CHP, industry	0.8	1.0	0.9	
Condensing power	0.7	0.4	0.4	
Gas turbine, diesel, etc	0.01	0.03	0.02	
Domestic usage	146.3	146.3	144.0	
Transmission losses	11.0	11.9	11.2	
Electricity from neighbouring countries	20.5	18.5	15.6	
Electricity to neighbouring countries (-)	-14.4	-17.2	-17.6	
Net exchange with neighbouring countries **	6.1	1.3	-2.0	

* Preliminary data from Swedenergy. ** Negative values represent exports.

Peak load in 2008, 5–8 p.m. on 23 January (MW)		24,500
Installed capacity at 31 Dec. 2008 (MW electricity)		
Hydropower.....		16,195
Wind power.....		1,021
Nuclear power.....		8,938
Other thermal power.....		8,027
Total		34,181

Maximum transmission capacity of international connections	
from neighbouring countries.....	8,930
to neighbouring countries.....	8,830

Ownership of electricity generation, share of installed capacity	
State (Vattenfall AB, Svenska Kraftnät).....	42%
Non-Swedish owners.....	40%
Municipalities.....	11%
Others.....	7%

Transmission networks in Sweden

The Swedish power transmission system can be divided into three levels – local networks, regional networks and the national grid. Most electricity users are connected to a local network, which in turn is connected to a regional network. The regional networks are then connected to the national grid. There are 164 local distribution system operators (DSOs) in Sweden. The networks owned by these DSOs vary considerably in size. The smallest has a line length of around 3 km, and the largest over 115,000 km. The local networks are normally divided into low voltage (400/230 V) and high voltage networks (typically 10–20 kV). The total line length of Sweden's low voltage networks is more than 299,000 km, of which 81,000 km consist of overhead lines and 218,000 km of underground cable. The local high voltage networks, also frequently referred to as medium voltage networks, are made up of 103,000 km of overhead lines and 80,000 km of underground cable. Some 5.2 million electricity users are connected to the low voltage networks and 6,500 to the high voltage networks.

Largest member companies in Swedenergy			
Member company (corporate group)	Power generation capacity, MW	Low voltage transmission customers	Regional grids, km
Vattenfall AB	13,766	919,522	14,804
E.ON Sverige AB	6,019	999,390	8,383
Fortum Power and Heat AB	5,759	878,687	5,824
Statkraft Sverige AB	1,262	0	0
Göteborg Energi AB	312	280,394	183
Skellefteå Kraft AB	814	63,302	990
Mälarenergi AB	570	100,171	63
Tekniska Verken i Linköping AB	261	89,156	66
Lunds Energikoncernen AB (publ.)	28	109,241	82
Jämkraft AB	268	59,572	588
Öresundskraft AB	159	93,341	118
Umeå Energi AB	178	56,682	232
Telge Nat AB	0	48,654	0
Jönköping Energi AB	43	52,658	119
Karlstads Energi AB	105	33,305	14
Eskilstuna Energi & Miljö AB	39	44,738	3
Gävle Energi AB	39	44,266	31
Holmen Kraft AB	252	0	0
Sundsvall Energi AB	74	29,092	0

Largest hydropower stations, net capacity (MW)	
Harsprånget (Lule älv).....	830
Stornorrors (Ume älv).....	591
Messaure (Lule älv).....	452
Porjus (Lule älv).....	440
Letsi (Lule älv).....	440
Ligga (Lule älv).....	343
Vietas (Lule älv).....	325
Ritsem (Lule älv).....	320
Trängslet (Dalälven).....	300
Porsl (Lule älv).....	275
Kilforsen (Ångermanälven).....	275

Nuclear power plants, net capacity (MW)	
Ringhals.....	3,665
Forsmark.....	3,058
Oskarshamn.....	2,215
Barsebäck.....	0

Largest other thermal power plants, net capacity (MW)	
Karlskrona (condensing, oil).....	990
Västerås (CHP, condensing, biomass/coal/oil).....	566
Stenungsund (condensing, oil).....	500
Värtan, Stockholm (CHP, coal/oil incl. gas turbine).....	396
Ryaverket, Göteborg (CHP, natural gas).....	260
Halmstad (gas turbines).....	250
Brävalla (CHP, condensing, oil).....	240
Lahall (gas turbines).....	240
Marviken (condensing, oil).....	200

Hydropower production			
River	Normal year GWh	Water flows* m ³ /s	Regulation level
Lule älv.....	13,800	505	67%
Skellefte älv.....	4,300	158	60%
Ume älv.....	7,500	440	26%
Ume älv, excl. Vindelälven		237	48%
Gide älv.....	300	35	16%
Ångermanälven.....	11,400	490	39%
Indalsälven.....	9,600	444	39%
Ljusnan.....	2,300	138	27%
Ljusnan.....	3,700	238	21%
Dalälven.....	4,300	342	23%
Lagan.....	500	70	20%
Klarälven.....	1,600	165	20%
Göta älv.....	1,500	536	35%

* Mean flow at mouth of river

Largest storage reservoirs, capacity (million m ³)	
Vänern (Göta älv).....	9,400
Suorva (Lule älv).....	6,000
Tjaktajaure (Lule älv).....	1,675
Storsjön (Indalsälven).....	1,250
Satsjaure (Lule älv).....	1,240
Torrån (Indalsälven).....	1,180
Storuman (Ume älv).....	1,100
Trängslet (Dalälven).....	880
Gardiken (Ume älv).....	875
Storavan-Uddjaur (Skellefte älv).....	780
Hornavan (Skellefte älv).....	750
Rebnisjaure (Skellefte älv).....	740