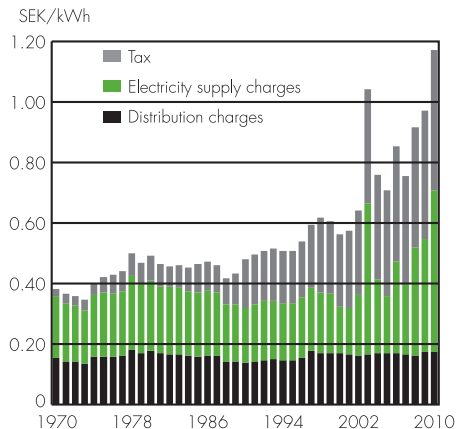


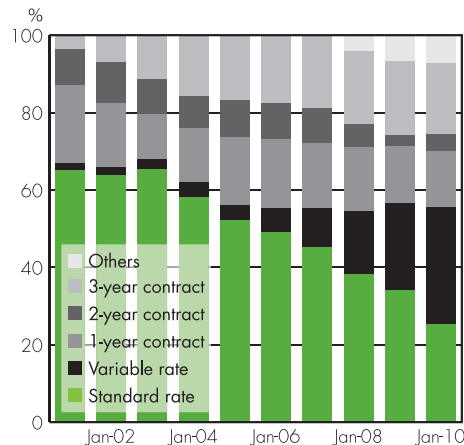
Breakdown of total electricity price for a single-family home with electrical heating and a variable rate contract, 1990 prices, in January of each year.

Sources: Swedish Energy Agency, Statistics Sweden



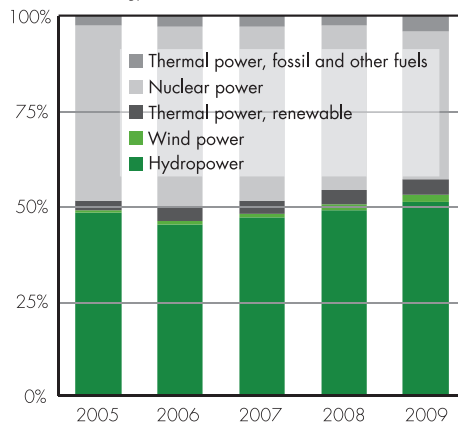
Customer mobility, January 2001–2010.

Source: Statistics Sweden



Development of renewable electricity generation 2005–2009.

Source: Swedenergy



Gross electricity consumption. Source: IEA

Country	Consumption per capita, kWh		Total consumption, TWh 2009
	2008	2009	
Iceland.....	50,700	51,600 ↗	16.5
Norway.....	27,200	25,000 ↘	120.1
Canada.....	17,900	17,800 ↘	568.4
Luxembourg.....	16,700	15,300 ↘	7.2
Finland.....	16,500	15,300 ↘	81.0
Sweden.....	15,600	15,000 ↘	138.8
USA.....	13,600	13,100 ↘	4 020.2
Australia.....	12,300	11,500 ↘	235.0
New Zealand.....	10,600	9,800 ↘	41.0
South Korea.....	8,900	9,100 ↗	441.7
Switzerland.....	8,600	8,400 ↘	64.6
Belgium.....	8,600	8,100 ↘	86.2
France.....	8,000	7,900 ↘	494.4
Austria.....	8,000	7,800 ↘	65.1
Japan.....	8,600	7,400 ↘	951.3
Netherlands.....	7,200	6,900 ↘	113.4
Germany.....	7,200	6,700 ↘	552.6
Denmark.....	6,600	6,400 ↘	35.3
Ireland.....	6,700	6,200 ↘	27.3
UK.....	6,200	6,200 ↘	378.9
Czech Republic.....	6,400	6,000 ↘	62.3
Spain.....	5,900	5,800 ↘	268.1
Italy.....	5,800	5,500 ↘	326.0
Greece.....	5,700	5,300 ↘	59.1
Poland.....	3,700	3,600 ↘	137.2

Units of measurement

1 kilowatt (kW).....	= 1,000 watts (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

2010 edition



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All data refers to 1 January 2010 or the full year 2009

Sweden's surface according to Statistics Sweden 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. 2009 according to Statistics Sweden 9,340,682		
Per square km of land surface		21
Gainfully employed population	4,459,000	
National income, SEK M, according to Statistics Sweden		
	2008	2009
Gross domestic product.....	3,276,536	3,108,002
Gross investment.....	645,951	555,482
Household consumption.....	1,500,476	1,515,947
Public consumption.....	807,781	851,351
Foreign trade, SEK M, according to Statistics Sweden		
	2008	2009
Export of goods and services.....	1,721,189	1,507,455
Import of goods and services.....	1,490,086	1,294,000

Energy consumption by sector according to Statistics Sweden (TWh)				
	2007	2008	2009*	
Industrial	155	152	134	35%
Public transport	102	103	100	26%
Residential, service, etc.	143	142	149	39%
Total	400	397	383	100%

*Preliminary data from Swedenergy

Breakdown of electricity usage by sector (TWh) according to Statistics Sweden				
	2007	2008	2009*	
Industrial	57.9	56.6	49.7	36%
Service	36.5	36.6	37.5	27%
Residential	40.9	40.4	41.2	30%
Transmission losses	10.7	10.5	9.9	7%
Total	146.0	144.1	138.3	100%

*Preliminary data from Swedenergy

Electrical energy balance (net TWh). Sources: Statistics Sweden and Swedenergy				
	2007	2008	2009*	
Domestic production	145.0	146.0	133.7	100%
Renewable	76.9	81.4	78.4	58.6%
Hydropower	65.6	68.4	65.3	
Wind power	1.4	2.0	2.5	
Thermal power	9.8	11.0	10.6	7.9%
CHP, district heating	4.7	5.3	5.2	
CHP, industry	5.0	5.3	5.2	
Condensing power	0.2	0.4	0.2	
Nuclear power	64.3	61.3	50.0	37.4%
Other thermal power (fossil and other fuels)	3.9	3.4	5.3	4.0%
CHP, district heating	2.4	1.9	4.1	
CHP, industry	1.0	0.9	0.7	
Condensing power	0.4	0.4	0.5	
Gas turbine, diesel, etc.	0.03	0.02	0.02	
Domestic usage	146.3	144.0	138.4	
Transmission losses	11.9	11.2	10.2	
Electricity from neighbouring countries	18.5	15.6	16.4	
Electricity to neighbouring countries (-)	-17.2	-17.6	-11.7	
Net exchange with neighbouring countries **	1.3	-2.0	4.7	

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

Peak load 16 Jan (8-9 a.m.) and 21 Dec (4-5 p.m.) (MW)		24,800
Installed capacity at 31 Dec. 2009 (MW electricity)		
Hydropower.....		16,203
Wind power.....		1,560
Nuclear power.....		9,342
Other thermal power.....		8,608
Total		35,713
Maximum transmission capacity of international connections (MW)		
from neighbouring countries.....		8,930
to neighbouring countries.....		8,830
Ownership of electricity generation, share of installed capacity		
State (Vattenfall AB, Svenska Kraftnät).....		40%
Non-Swedish owners.....		40%
Municipalities.....		12%
Others.....		8%

Distribution networks in Sweden

The Swedish power distribution 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 170 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. Most of the regional grids are owned by three DSOs, and have a combined line length of around 33,000 km. The Swedish national grid is owned by the public utility Svenska Kraftnät and is made up primarily of 400 kV and 220 kV lines, with a total line length of approximately 15,000 km.

Largest member companies in Swedenergy			
Member company (corporate group)	Power generation capacity, MW	Low voltage customers	Regional grids, km
Vattenfall AB	13,867	912,446	16,934
E.ON Sverige AB	6,469	1,004,054	8,256
Fortum Power and Heat AB	5,910	854,463	5,800
Starkraft Sverige AB	1,262		
Göteborg Energi AB	312	280,245	182
Skellefteå Kraft AB	815	63,545	1,002
Mälarenenergi AB	569	100,272	65
Tekniska Verken i Linköping AB	263	88,793	66
Lunds Energikoncernen AB (publ.)	30	114,069	90
Jämskraft AB	268	59,572	588
Öresundskraft AB	129	94,113	115
Umeå Energi AB	243	56,230	236
Telge Nät AB		49,211	
Jönköping Energi AB	43	52,922	119
Gävle Energi AB	39	44,663	31
Eskilstuna Energi & Miljö AB	39	45,248	3
Holmen Kraft AB	252		
Karlstads Energi AB	111	33,244	14
Sundsvall Energi AB	74	27,977	

Largest hydropower stations, net capacity (MW)	
Harsprånget (Lule älv).....	830
Stornorrfors (Ume älv).....	591
Messaure (Lule älv).....	452
Porjus (Lule älv).....	440
Letsi (Lule älv).....	440
Ligga (Lule älv).....	343
Vietas (Lule älv).....	325
Ritssem (Lule älv).....	320
Trängslet (Dalaälven).....	300
Porsi (Lule älv).....	275
Kilforsen (Ångermanälven).....	275

Nuclear power plants, net capacity (MW)	
Ringhals.....	3,138
Forsmark.....	2,497
Oskarshamn.....	3,707
Barsebäck.....	

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

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. Vindlaälven		237	48%
Gide älv.....	300	35	16%
Ångermanälven.....	11,400	490	39%
Indalsälven.....	9,600	444	39%
Ljusnan.....	2,300	138	27%
Ljusnån.....	3,700	238	21%
Dalaälven.....	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
Tjaktajaur (Lule älv).....	1,675
Storsjön (Indalsälven).....	1,250
Satsjaur (Lule älv).....	1,240
Torrån (Indalsälven).....	1,180
Storuman (Ume älv).....	1,100
Trängslet (Dalaälven).....	880
Gardiken (Ume älv).....	875
Storavan-Uddjaur (Skellefte älv).....	780
Hornavan (Skellefte älv).....	750
Rebnisjaur (Skellefte älv).....	740