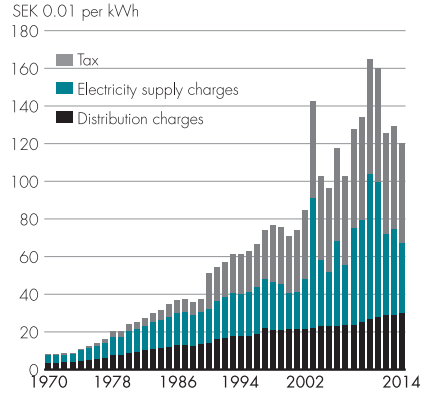


Breakdown of total electricity price for a single-family home with electrical heating and a variable rate contract, current prices, in January of each year



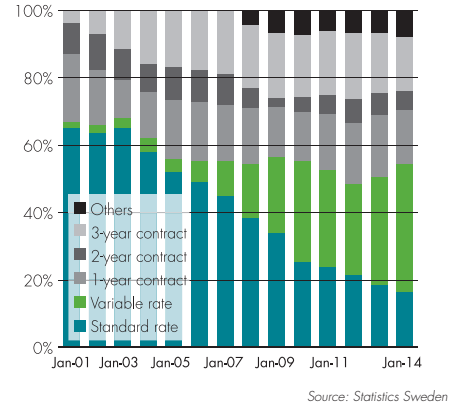
Sources: Swedish Energy Agency, Statistics Sweden

Svensk Energi – Swedenergy – AB
SE-101 53 Stockholm, Sweden

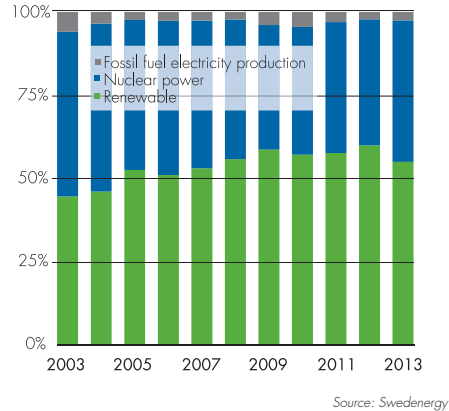
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Customer mobility, January 2001–2014



Electricity production in Sweden, 2006–2013



Gross electricity usage. Source: IEA

Country	Electricity usage per capita, kWh	2012	2013	Total usage, TWh	2013
Island.....	52,100	56,700	↗	17.8	
Norway.....	25,800	27,300	↗	128.7	
Canada.....	17,400	17,200	↘	590.9	
Finland.....	15,700	15,900	↗	83.8	
Luxembourg.....	16,500	15,200	↘	7.7	
Sweden.....	14,900	14,500	↘	139.5	
USA.....	13,100	13,200	↗	4 147.6	
South Korea.....	10,300	10,500	↗	512.3	
Australia.....	10,800	10,300	↘	228.2	
New Zealand.....	10,400	9,300	↘	40.4	
Belgium.....	8,300	8,400	↗	88.1	
Austria.....	9,000	8,300	↘	68.3	
Switzerland.....	8,700	8,300	↘	65.8	
Japan.....	7,800	7,800	↔	992.1	
France.....	7,700	7,600	↘	497.5	
Netherlands.....	6,900	6,800	↘	114.1	
Germany.....	7,000	6,800	↘	549.6	
Czech Republic.....	6,200	6,200	↔	62.8	
Denmark.....	6,100	6,100	↔	33.7	
Ireland.....	6,500	5,800	↘	27.4	
Spain.....	6,000	5,800	↘	273.5	
UK.....	5,800	5,600	↘	354.4	
Italy.....	5,500	5,200	↘	320.4	
Greece.....	4,600	4,900	↗	53.2	
Poland.....	3,700	3,800	↗	146.0	
China*.....	2,700	3,500	↗	4 690.0	

* To the year 2009 and year 2012.

Total electricity usage for countries in the above table corresponds to 64.2 percent of the world total in 2009.

Units of measurements

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



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 1 Jan. 2014 according to Statistics Sweden 9,644,864		
Per square km of land surface	21	
Gainfully employed population	4,705,000	
National income, SEK M, according to Statistics Sweden		
	2012	2013
Gross domestic product.....	3,549,709	3,634,394
Gross investment.....	669,751	668,591
Household consumption.....	1,718,248	1,763,542
Public consumption.....	955,660	998,358
Foreign trade, SEK M, according to Statistics Sweden		
	2012	2013
Export of goods and services.....	1,722,409	1,659,228
Import of goods and services.....	1,516,359	1,455,325

Energy usage by sector according to Statistics Sweden (TWh)				
	2011	2012	2013*	
Industrial	141	139	139	36%
Public transport	104	102	102	26%
Residential. service. etc.	146	146	147	38%
Total	391	387	388	100%

*Preliminary data from Swedenergy

Breakdown of electricity usage by sector (TWh) according to Statistics Sweden				
	2011	2012	2013*	
Industrial	54.0	53.1	50.6	36%
Service	35.4	35.9	35.6	26%
Residential	41.2	42.9	42.6	31%
Transmission losses	9.7	11.0	10.7	8%
Total	140.3	142.9	139.5	100%

*Preliminary data from Swedenergy

Electrical balance (net TWh)				
Sources: Statistics Sweden and Swedenergy				
	2011	2012	2013*	
Domestic production	147.5	162.4	149.5	100%
Renewable	85.0	97.3	82.0	54.9%
Hydropower	66.7	78.4	60.8	
Wind power	6.1	7.2	9.9	
Thermal power	12.2	11.7	11.3	7.6%
CHP, district heating	6.3	5.5	5.3	
CHP, industry	5.5	5.9	5.7	
Condensing power	0.4	0.3	0.3	
Nuclear power	58.0	61.4	63.6	42.6%
Other thermal power (fossil and other fuels)	4.5	3.7	3.8	2.5%
CHP, district heating	3.8	3.0	3.3	
CHP, industry	0.4	0.4	0.2	
Condensing power	0.3	0.3	0.3	
Gas turbine, diesel, etc.	0.01	0.01	0.01	
Domestic usage	140.3	142.9	139.5	
Transmission losses	9.7	11.0	10.7	
Electricity from neighbouring countries	14.8	11.7	15.1	
Electricity to neighbouring countries (-)	-22.0	-31.7	-25.1	
Net exchange with neighbouring countries**	-7.2	-19.6	-10.0	

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

Peak load 25 Jan 2013 (08-09), MW		26,750
Installed capacity at 1 Jan. 2014 (MW electricity)		
Hydropower.....		16,150
Wind power.....		4,470
Nuclear power.....		9,531
Solar power.....		43
Other thermal power.....		8,079
Total		38,273

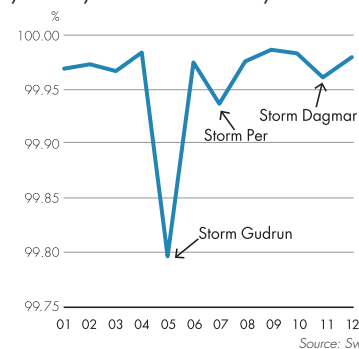
Maximum transmission capacity of international connections (MW)	
from neighbouring countries.....	9,725
to neighbouring countries.....	9,685

Ownership of electricity generation, share of installed capacity	
State (Vattenfall AB, Svenska kraftnät).....	38%
Non-Swedish owners.....	38%
Municipalities.....	13%
Others.....	11%

Electricity networks in Sweden

The local networks are normally divided into low voltage (400/230V) and high voltage networks (typically 10-20 kV). The total line length of Sweden's low voltage networks is over 310,000 km, of which 68,000 km consist of overhead lines and 242,000 km of underground cable. The local high voltage networks, also frequently referred to as medium voltage networks, are made up of 87,000 km of overhead lines and 109,000 km of underground cable. Some 5.3 million electricity users are connected to the low voltage networks and 6,500 to the high voltage networks. The regional grids are mainly owned by three DSOs and have a combined line length of around 30,000 km. The Swedish national grid is owned and operated by the public utility Svenska kraftnät, and is made up primarily of 400 kV and 220 kV lines with a total length of around 16,000 km. In total, the Swedish electricity grid contains 552,000 km, of power lines, including 352,000 km of underground cable. If the Swedish grid were stretched out in one long line, it would extend more than thirteen times around the earth. Delivery reliability in the Swedish electricity networks is on average 99.98 percent.

Delivery reliability in the Swedish electricity networks



Source: Swedenergy

Largest hydropower stations, net capacity (MW)	
Härsprånget (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
Ritsem (Lule älv).....	320
Trängslet (Dalälven).....	300
Porsi (Lule älv).....	275
Kilforsen (Ångermanälven).....	275

Nuclear power plants, net capacity (MW)	
Ringsås.....	3,746
Forsmark.....	3,274
Oskarshamn.....	2,511
Barsebäck.....	0

Largest other thermal power plants, net capacity (MW)	
Karlskrona (condensing, oil).....	990
Västerås (CHP, condensing, biomass/cool/oil).....	566
Öresundsverket (CHP, natural gas + gas turbine).....	566
Stenungsund (condensing, oil).....	500
Värtan, Stockholm (CHP, coal/oil incl. gas turbines).....	389
Ryaverket, Göteborg (CHP, natural gas).....	260
Halmstad (gas turbines).....	250
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. Vindelälven.....		237	48%
Gide älv.....	300	35	16%
Ångermanälven.....	11,400	490	39%
Indalsälven.....	9,600	444	39%
Ljungan.....	2,300	138	27%
Ljusnån.....	3,700	233	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
Suurva (Lule älv).....	6,000
Tjaktajaure (Lule älv).....	1,675
Storsjön (Indalsälven).....	1,250
Satsijaure (Lule älv).....	1,240
Torrån (Indalsälven).....	1,180
Storuman (Ume älv).....	1,100
Trängslet (Dalälven).....	880
Gardiken (Ume älv).....	875
Storavan-Uddajaur (Skellefte älv).....	780
Hornavan (Skellefte älv).....	750
Rebnisjaure (Skellefte älv).....	740