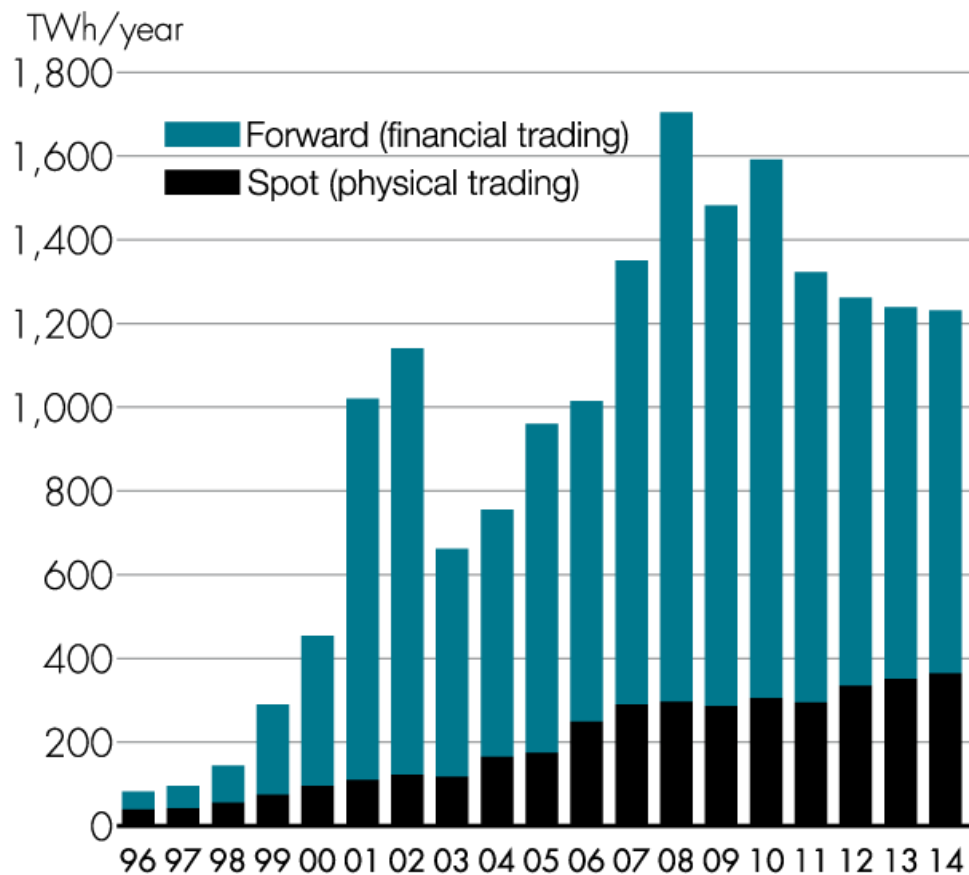




The Electricity Year 2014

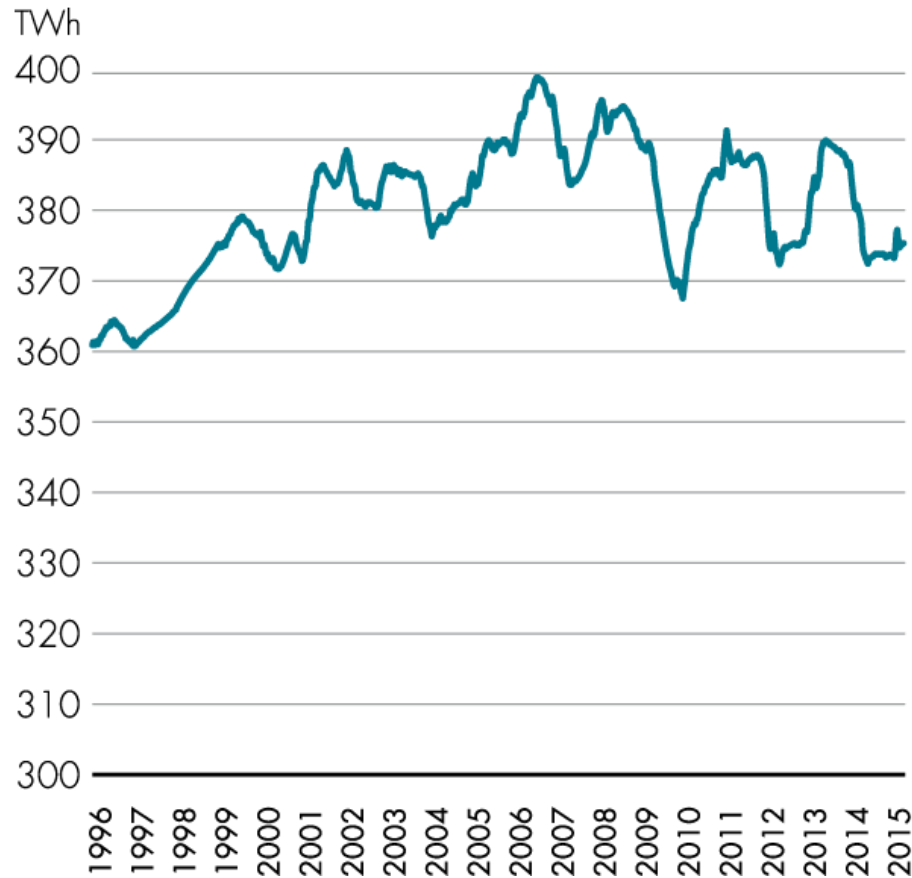
Diagram from the publication

Trading on the spot and forward markets



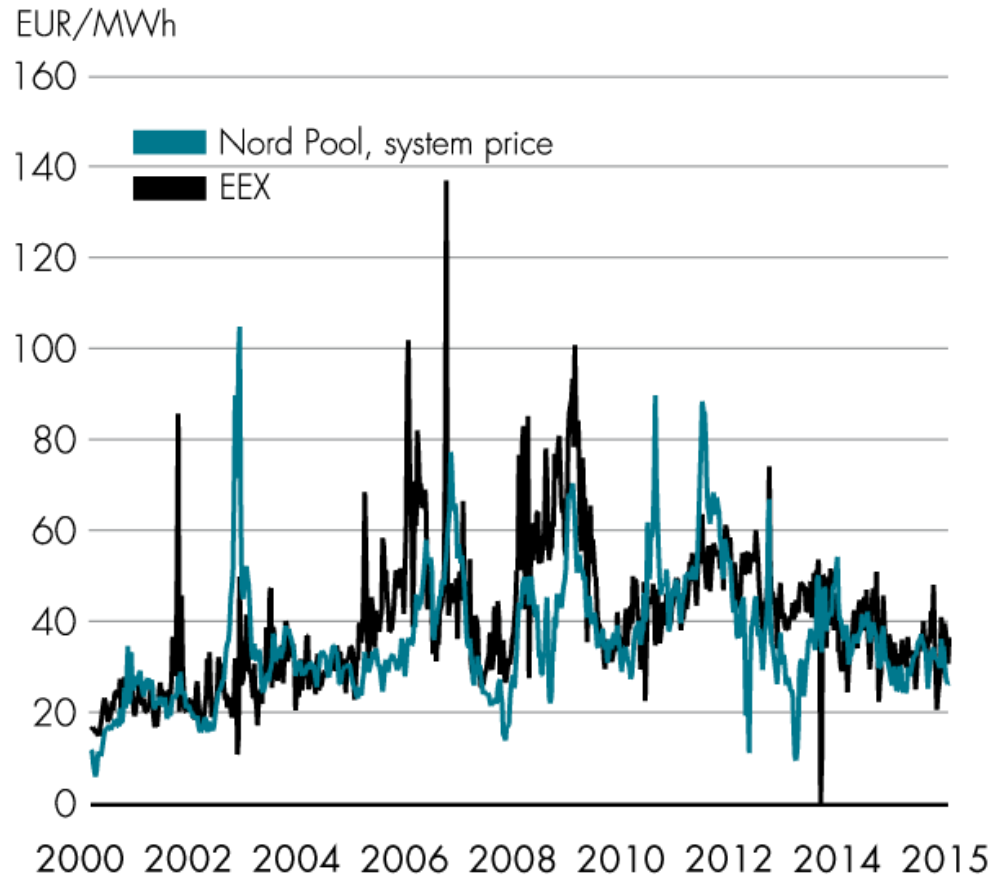
Source: Nord Pool Spot

Electricity usage in the Nordic region since 1996, TWh



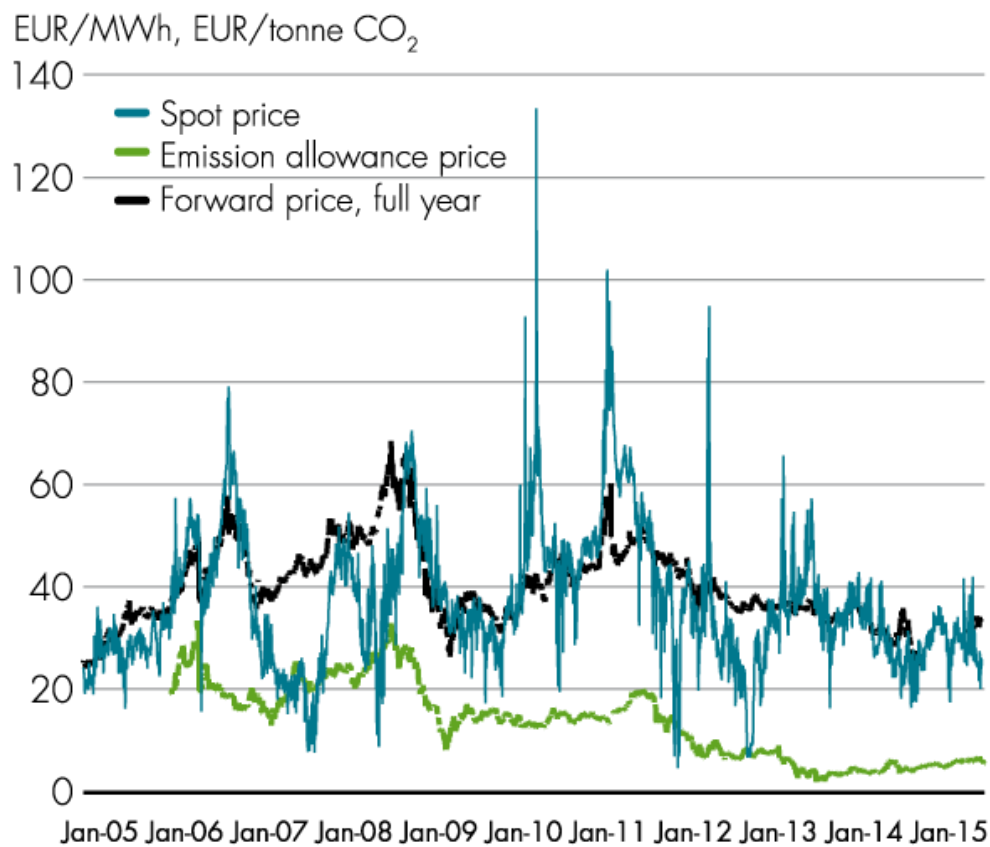
Source: Nord Pool Spot

Electricity spot prices on Nord Pool Spot and EEX (German electricity price)



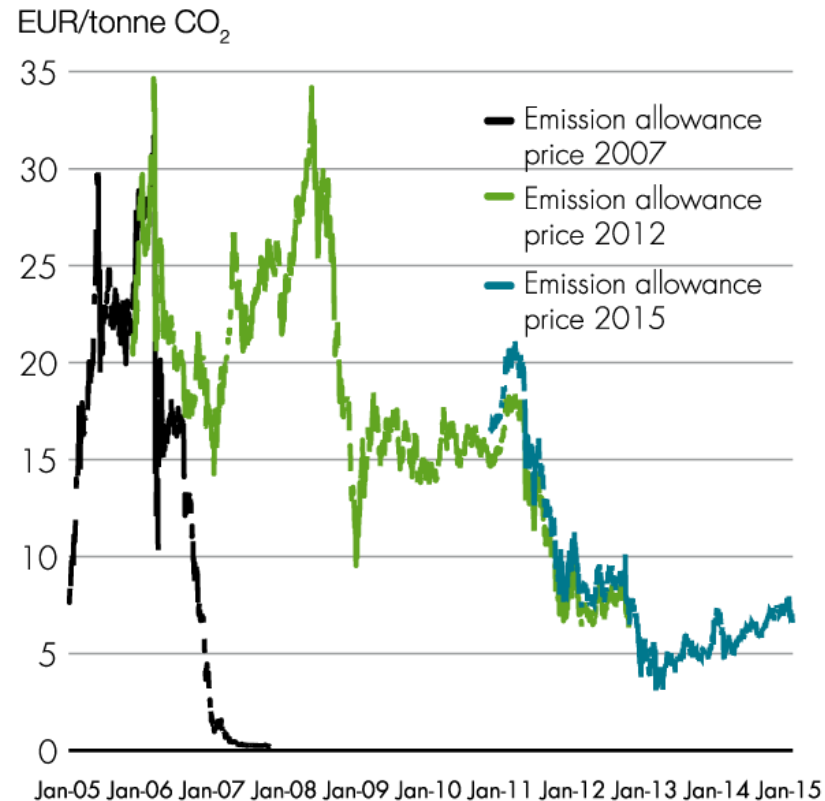
Sources: Nord Pool Spot, EEX

Electricity spot price, forward price and price of emission allowances



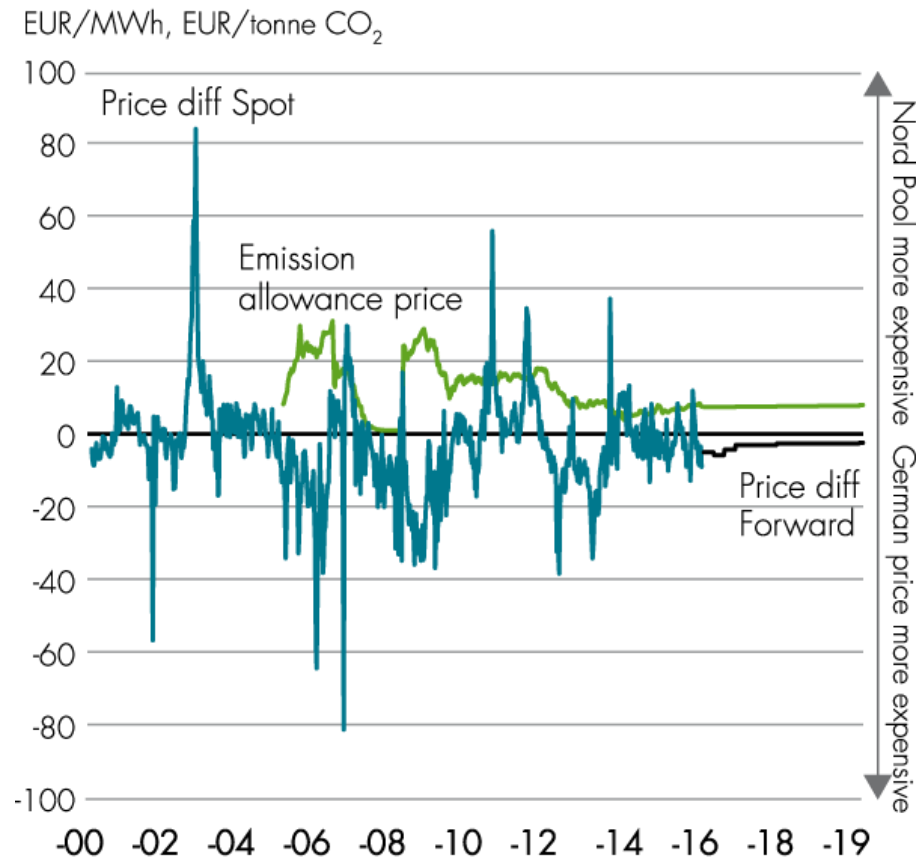
Source: Nord Pool Spot

Price of emission allowances on NASDAQ OMX commodities



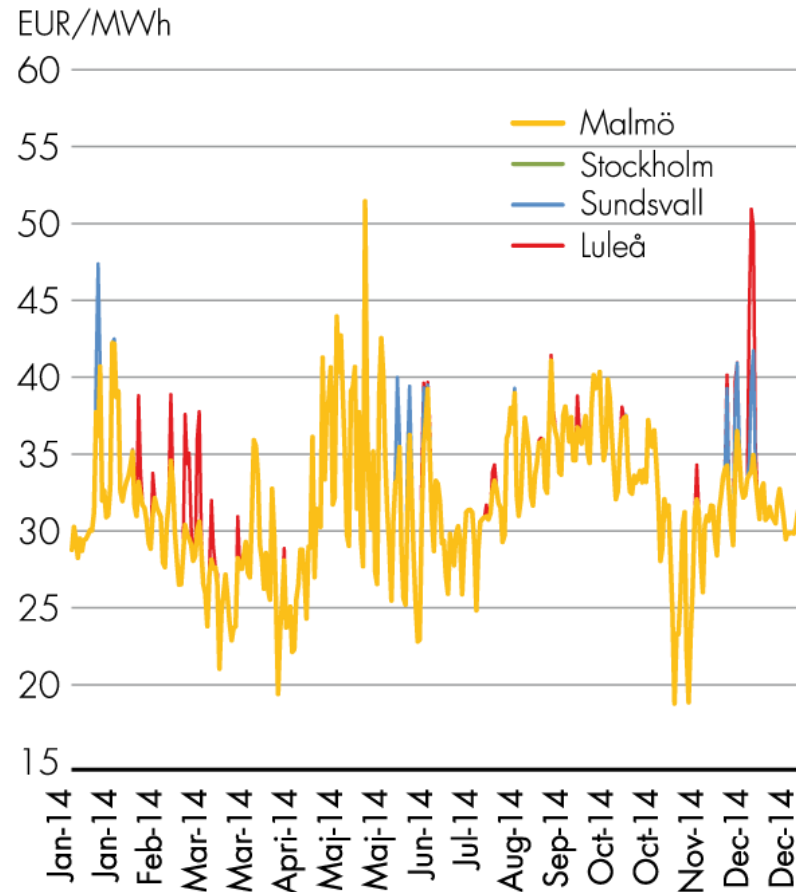
Source: Nord Pool Spot

Price of emission allowances and price differences between the Nordic region and Germany



Sources: Nord Pool Spot, EEX

Hourly area prices in Sweden



Source: Nord Pool Spot

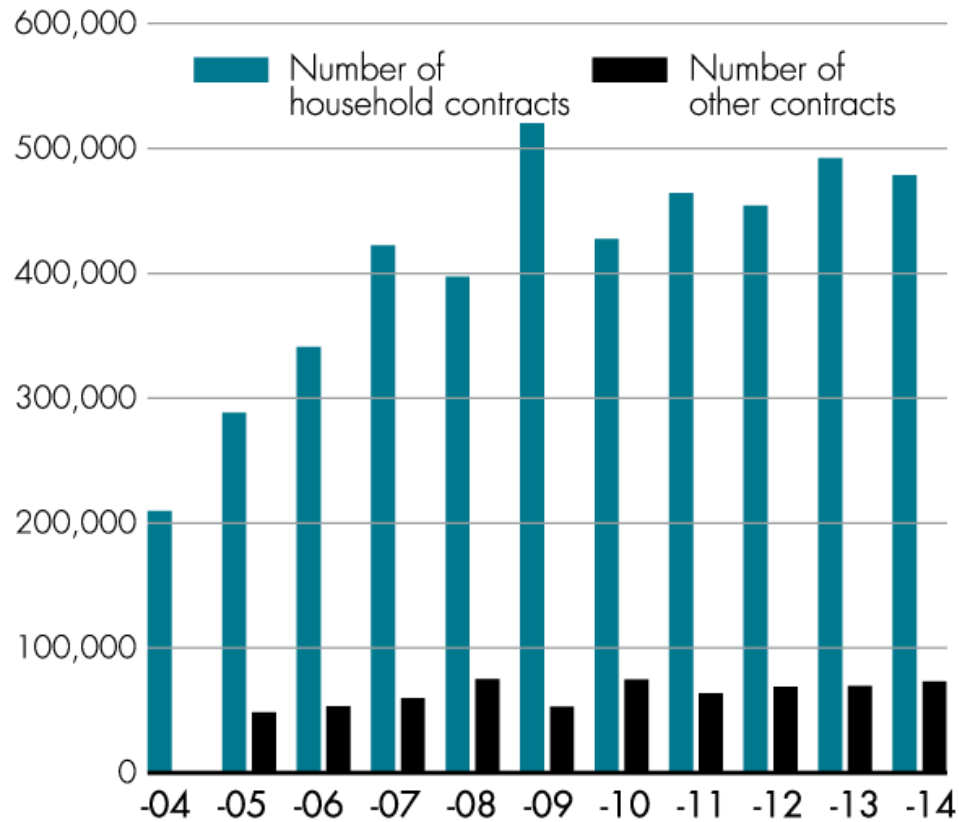
Installed capacity by bidding area on 1 January 2015, MWeI

	Luleå SE1	Sundsvall SE2	Stockholm SE3	Malmö SE4	Sverige SE
Hydropower	5,176	8,040	2,591	348	16,155
Nuclear power			9,528		9,528
Wind power	478	1,467	1,986	1,489	5,420
Other thermal power	282	586	4,625	2,868	8,361
CHP, district heating system	160	270	2 300	951	3,681
CHP, industrial	122	316	602	335	1,375
Condensing power			743	1,005	1,748
Gas turbines			980	577	1,557
Solar power	n.d	n.d	n.d	n.d	79
Other	1	1	1	2	6
Entire country	5,937	10,094	18,731	4,707	39,549

n.d.= no data available

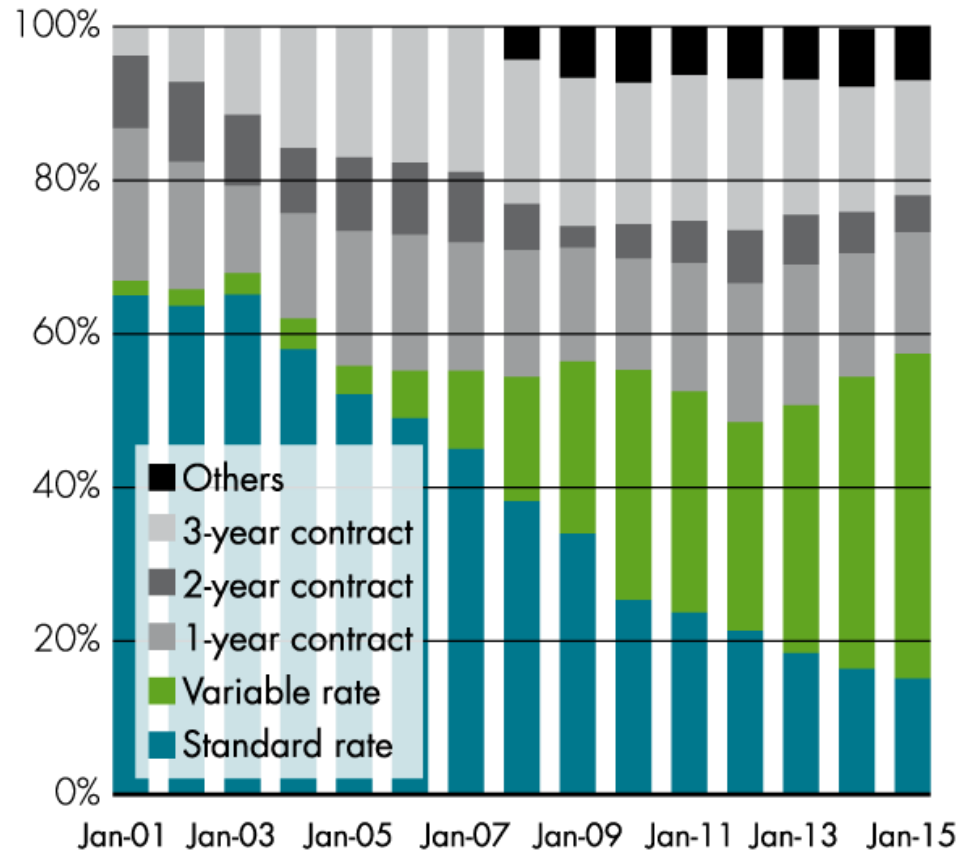
Source: Swedenergy

Number of supplier switches per year



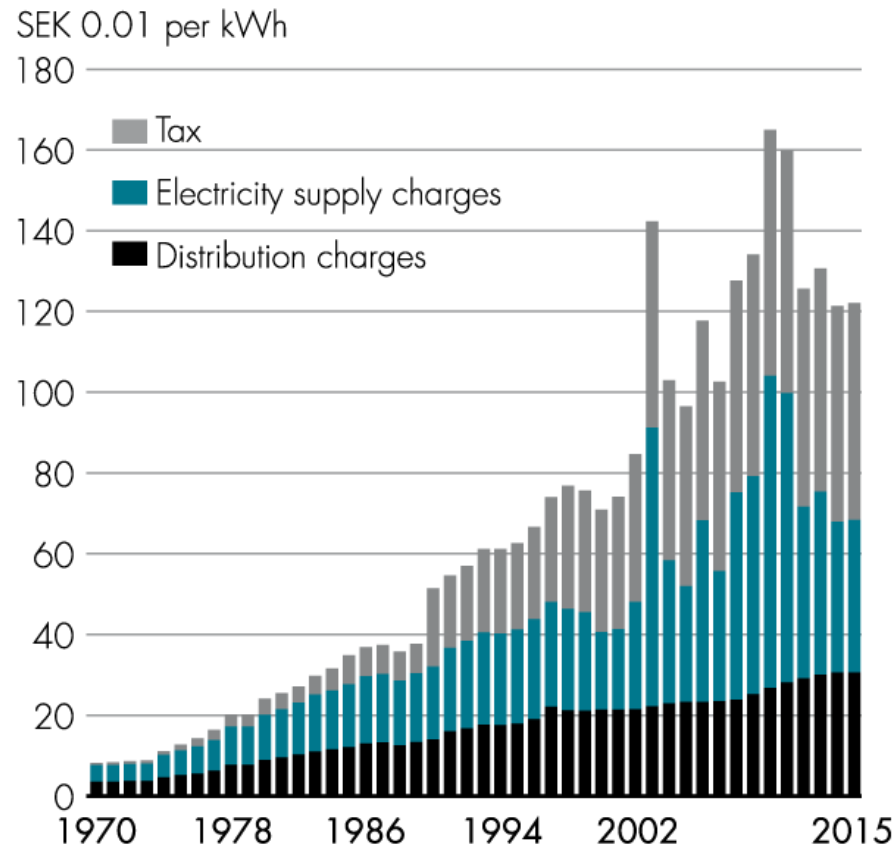
Source: Statistics Sweden

Customer mobility, January 2001–2015



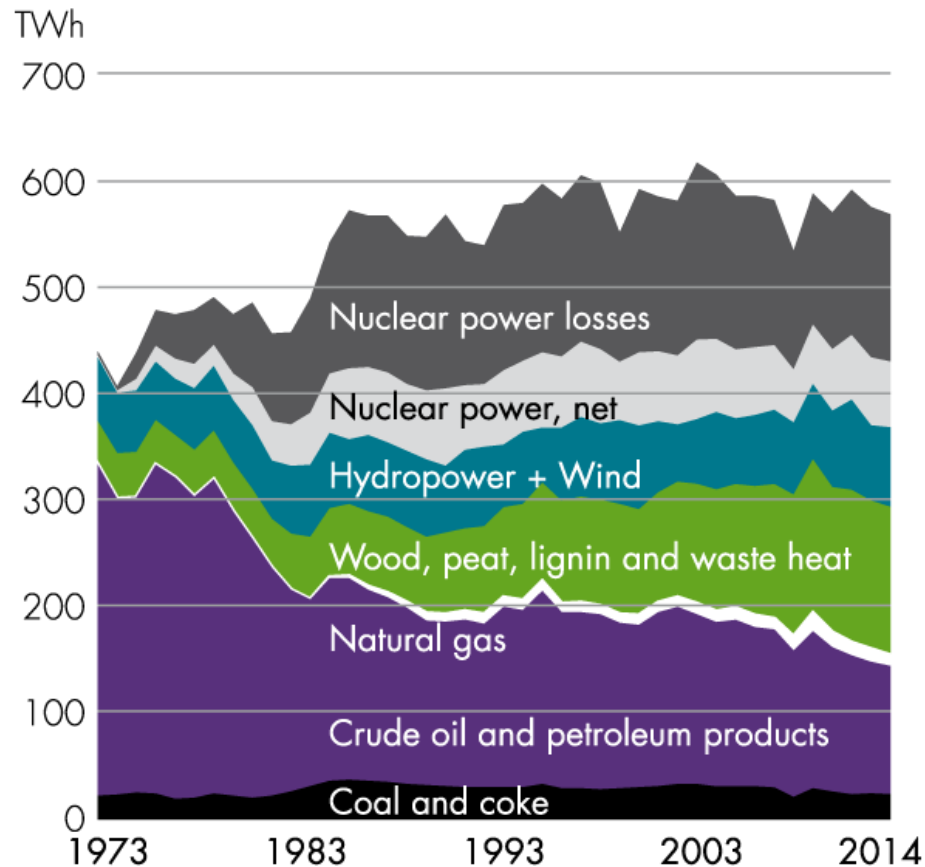
Source: Statistics Sweden

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



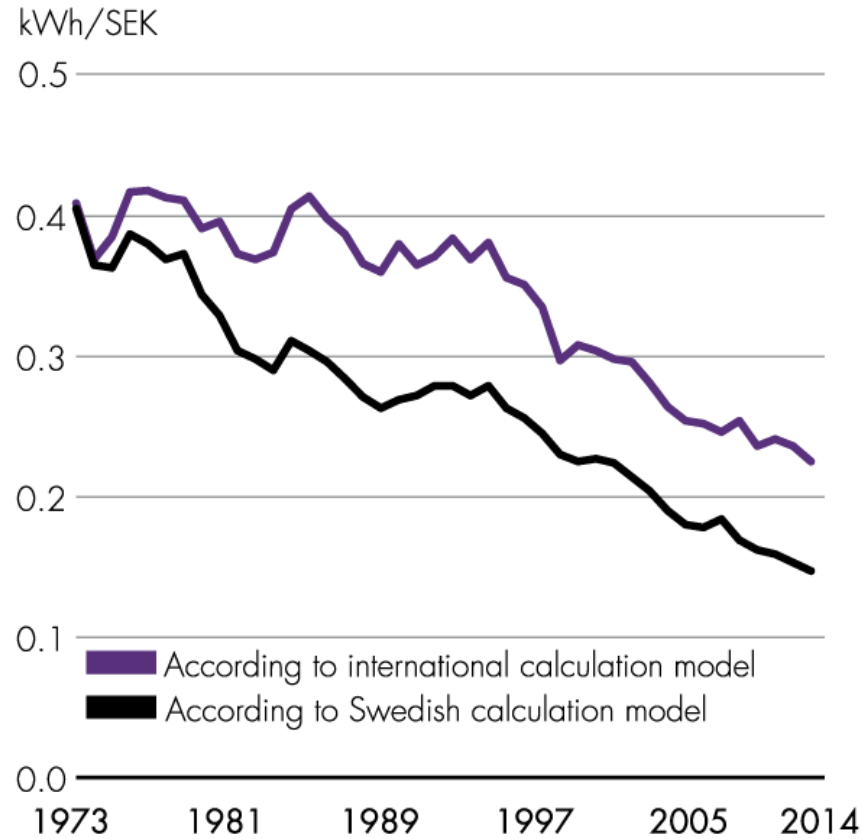
Sources: Swedish Energy Agency, Statistics Sweden

Total energy supply in Sweden 1973–2014



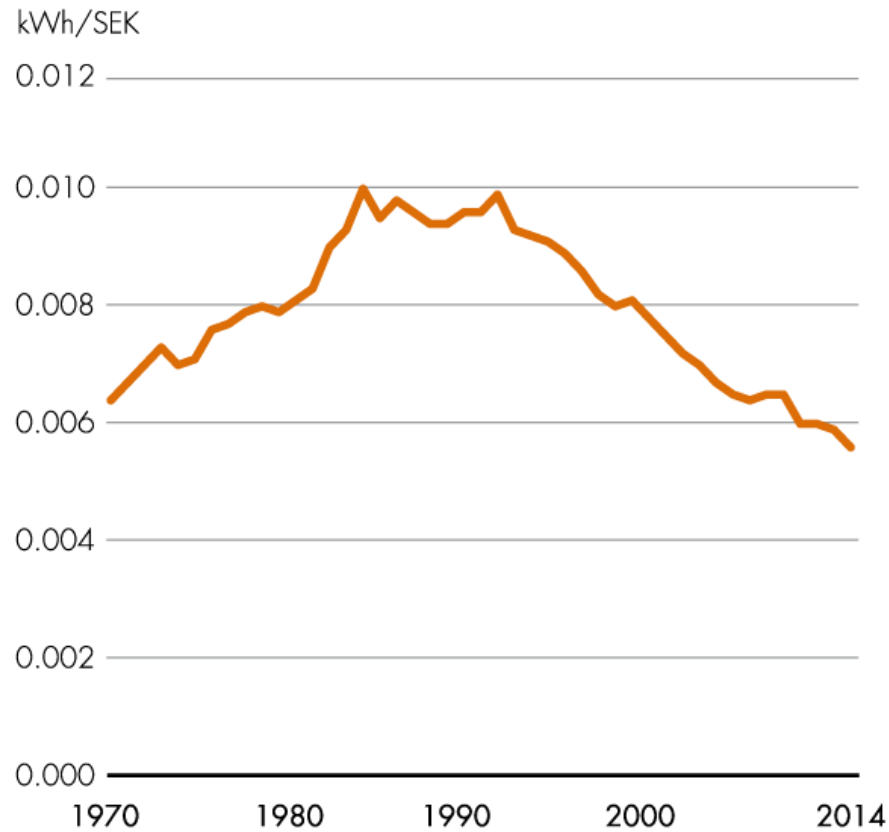
Source: Statistics Sweden

Total supplied energy in relation to GNP 1973–2014 (1995 prices)



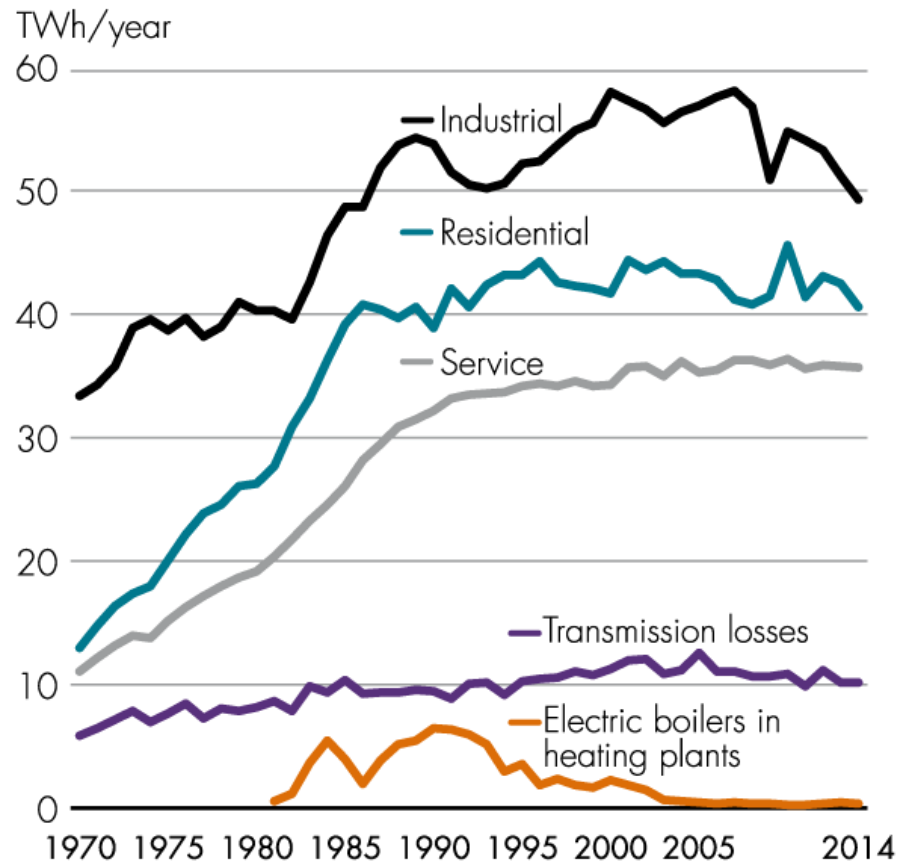
Source: Statistics Sweden

Electricity usage per GNP SEK 1970–2014 (1995 prices)



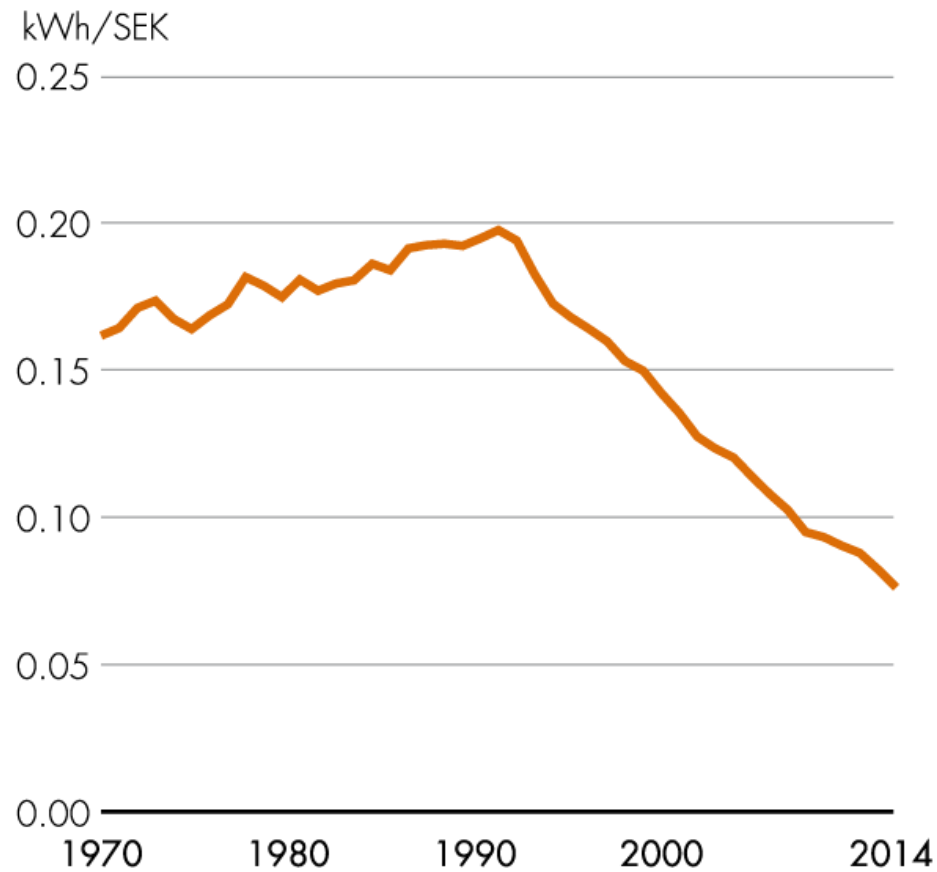
Source: Statistics Sweden

Breakdown of electricity usage by sector 1970–2014



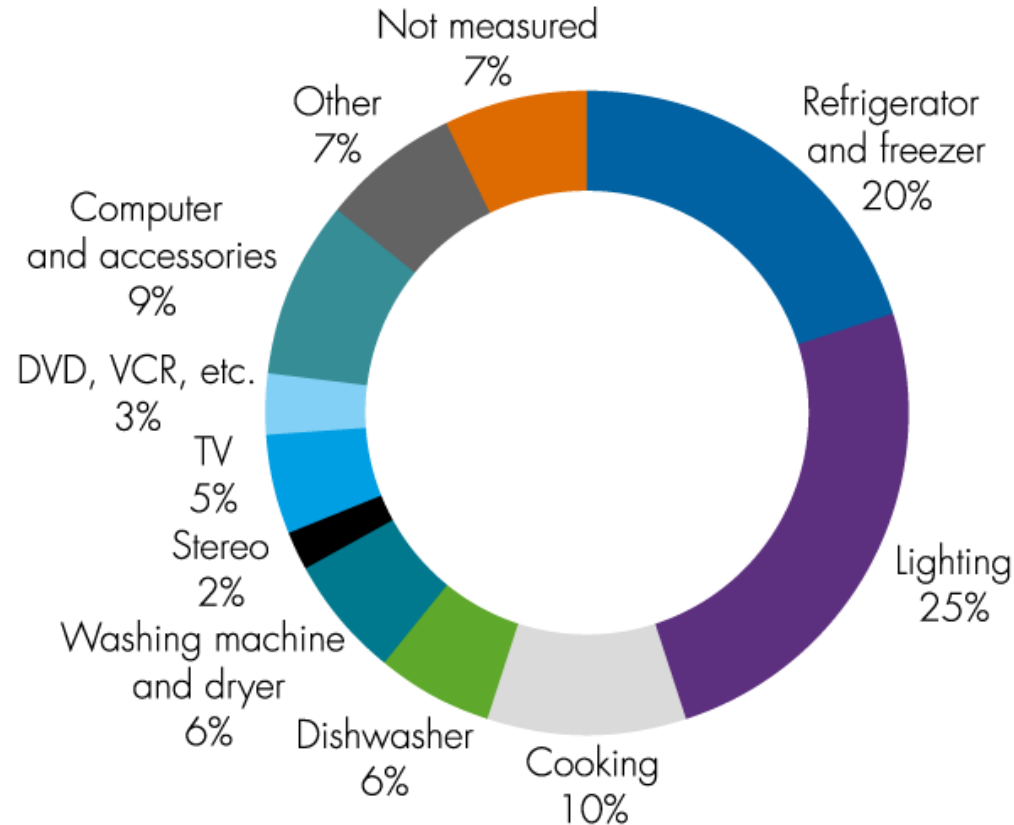
Source: Statistics Sweden

Industrial electricity usage in relation to value added 1970–2014 (1991 prices)



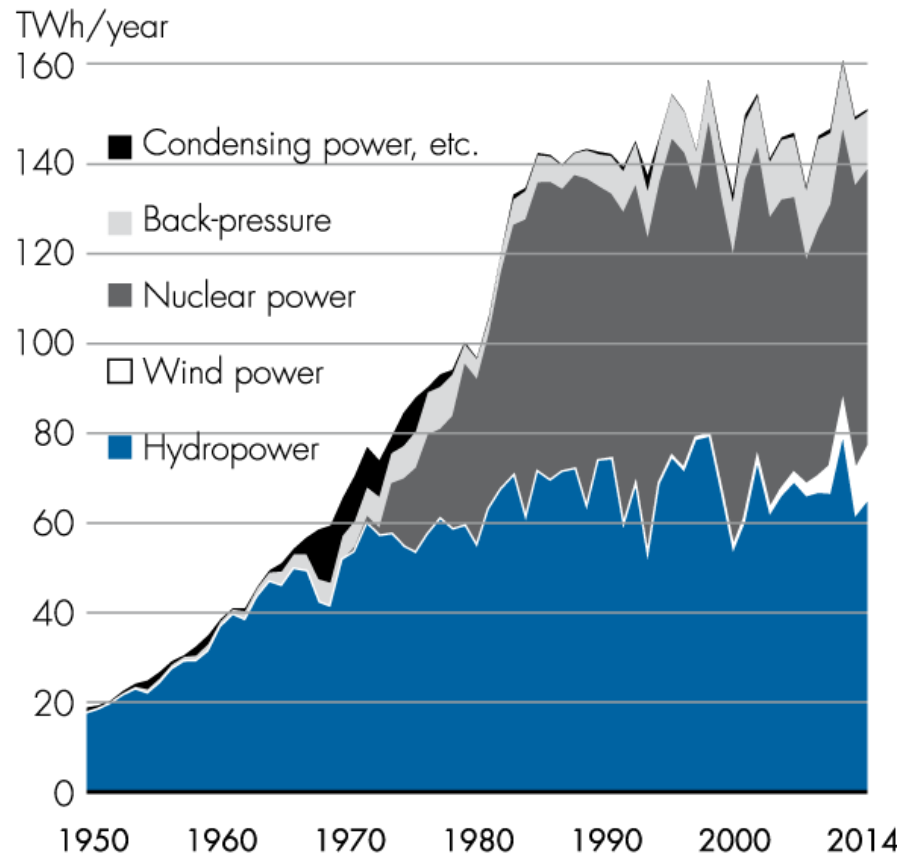
Source: Statistics Sweden

Household electricity usage by application (results for 2007)



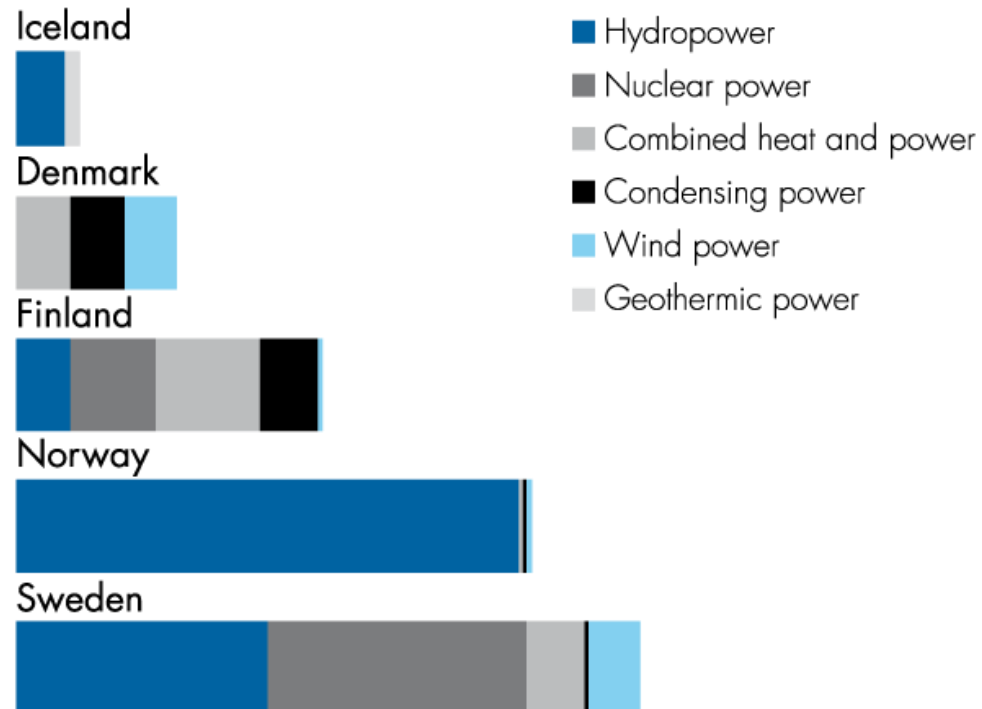
Source: Swedish Energy Agency

Total electricity supply in Sweden 1950–2014



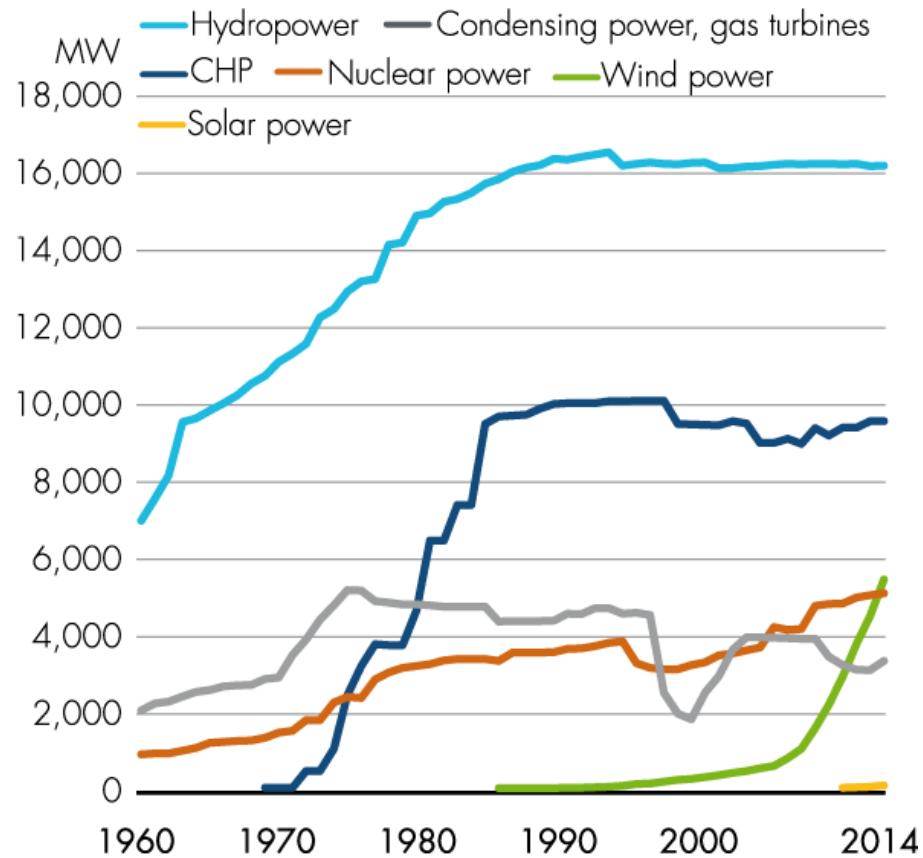
Source: Swedenergy

Normalized electricity production mix in the Nordic region



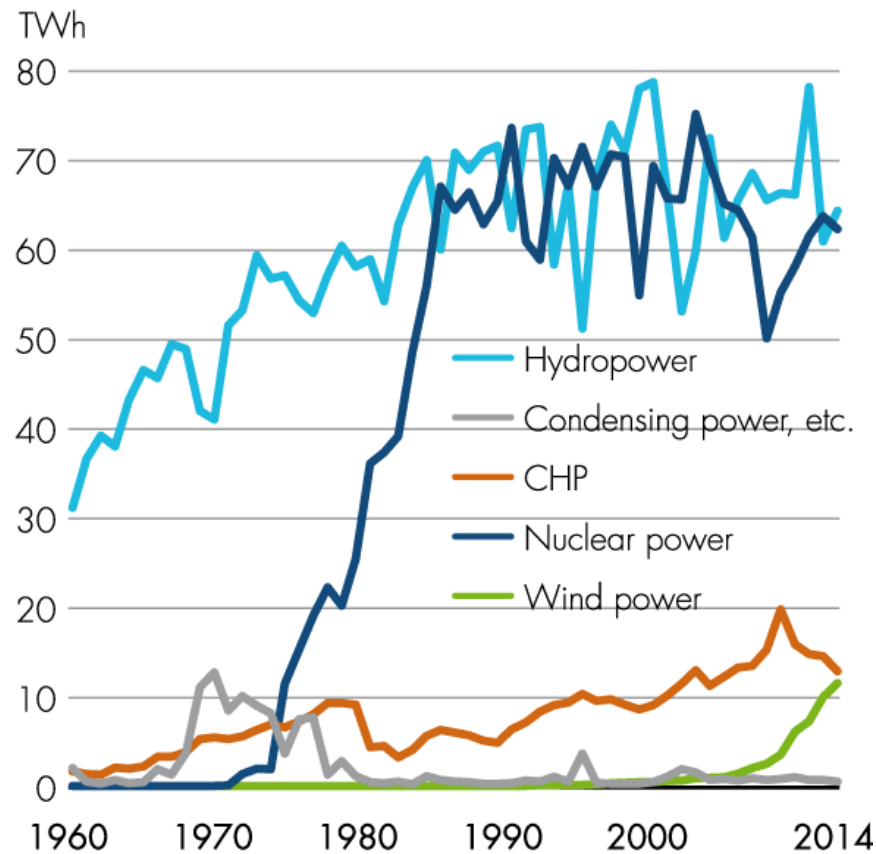
Source: Swedenergy

Development of different power types in Sweden (capacity)



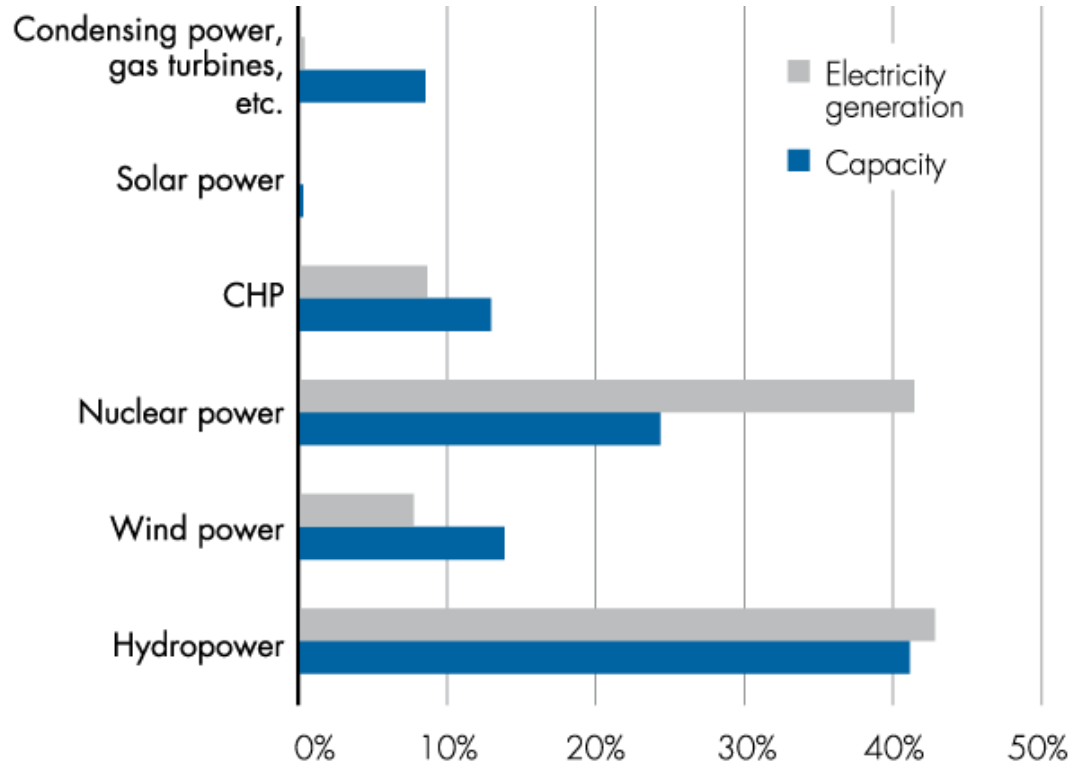
Source: Swedenergy

Development of different power types in Sweden (electricity generation)



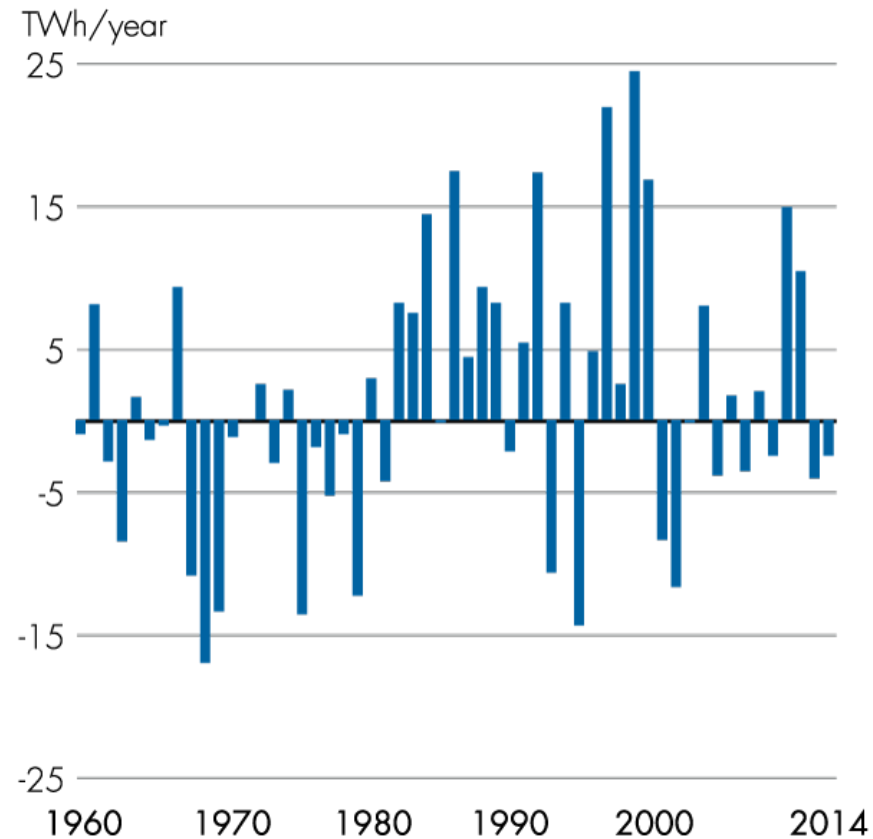
Source: Swedenergy

Breakdown of installed power capacity and annual electricity production for different power types 2014



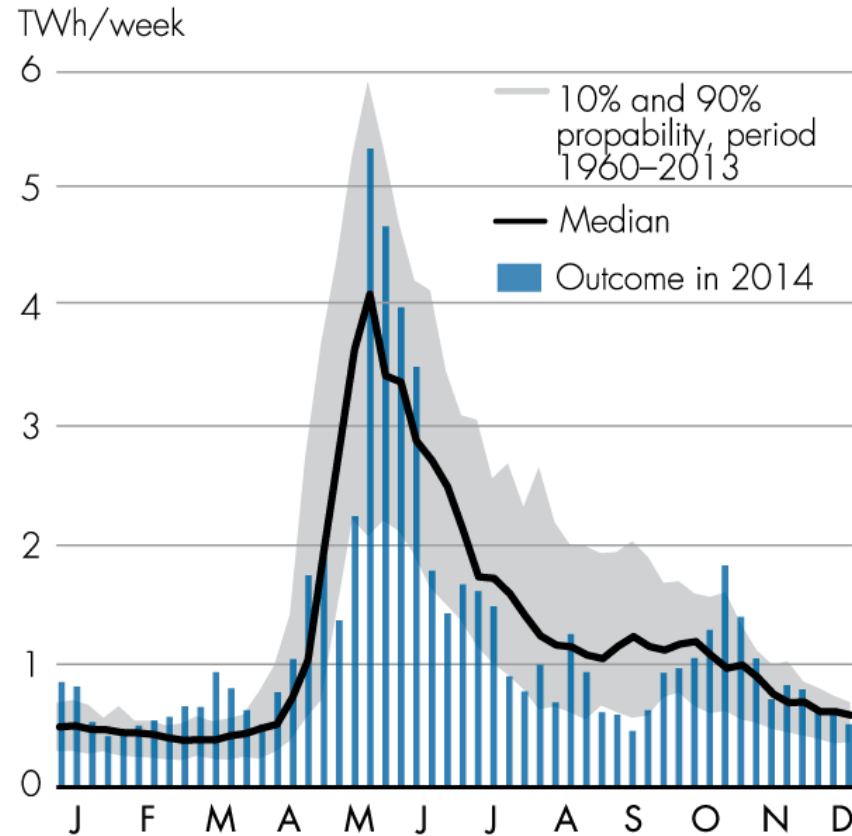
Source: Swedenergy

Runoff variations in relation to median value 1960–2014



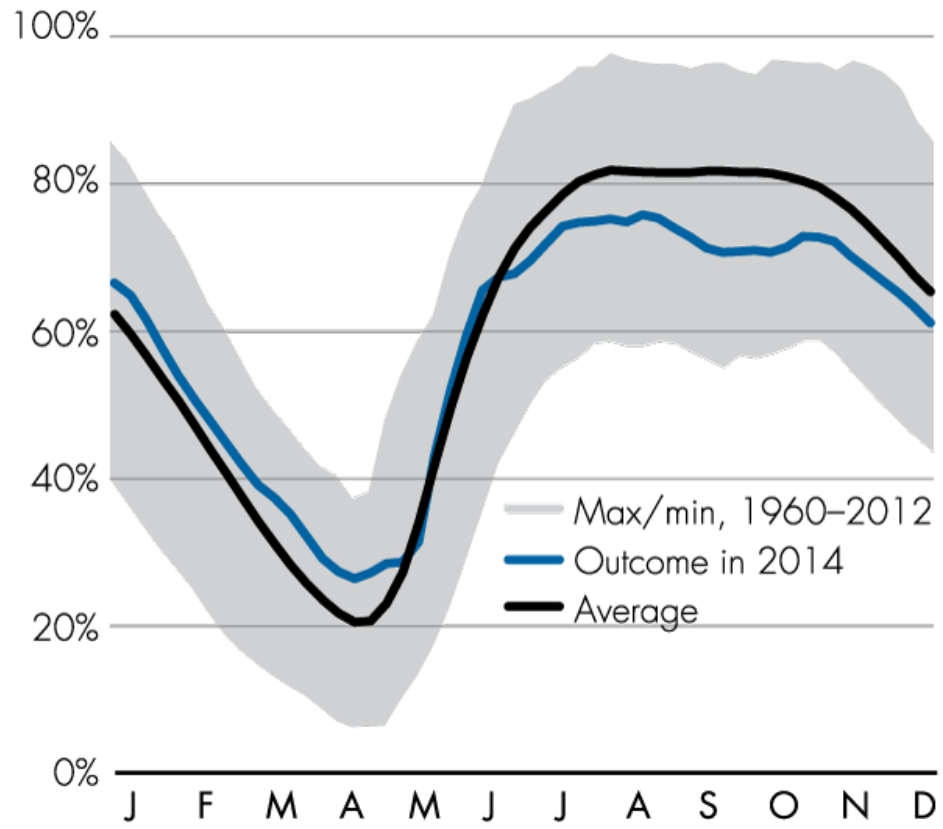
Source: Swedenergy

Runoff variations in the power-generating rivers



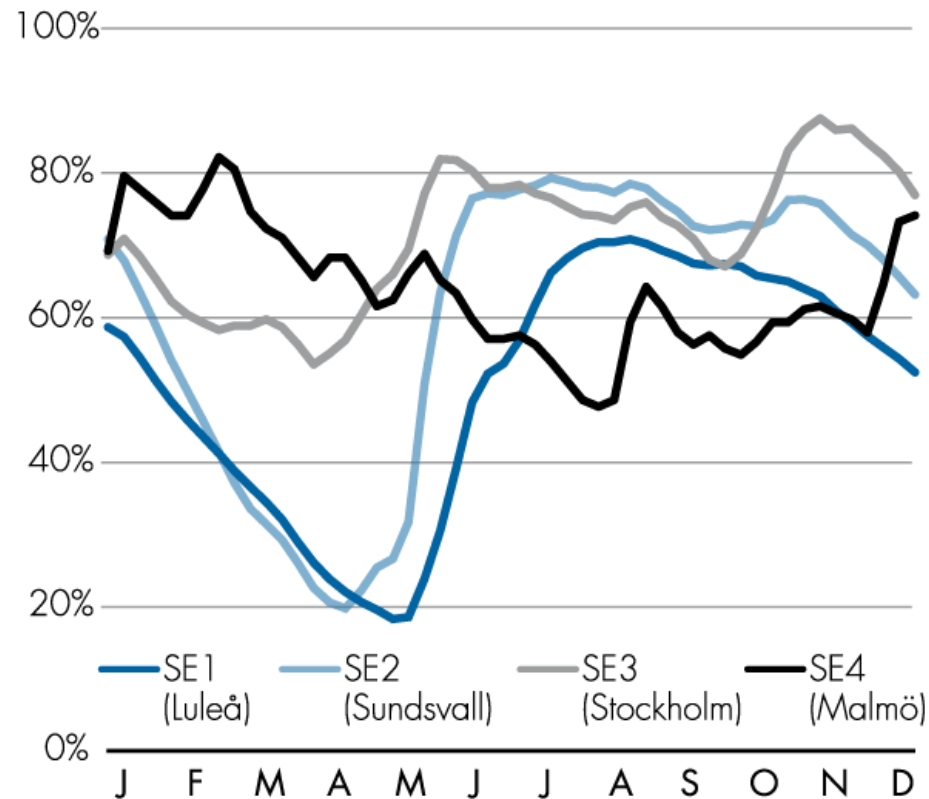
Source: Swedenergy

Storage levels in the regulating reservoirs



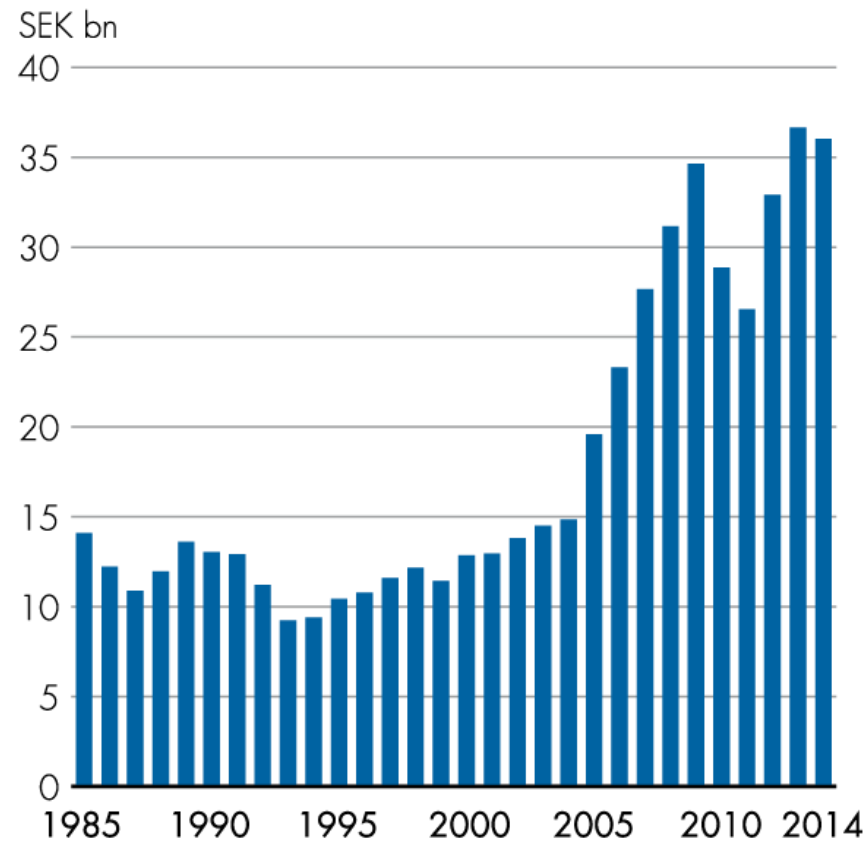
Source: Swedenergy

Storage levels in the regulating reservoirs in 2014 by bidding areas



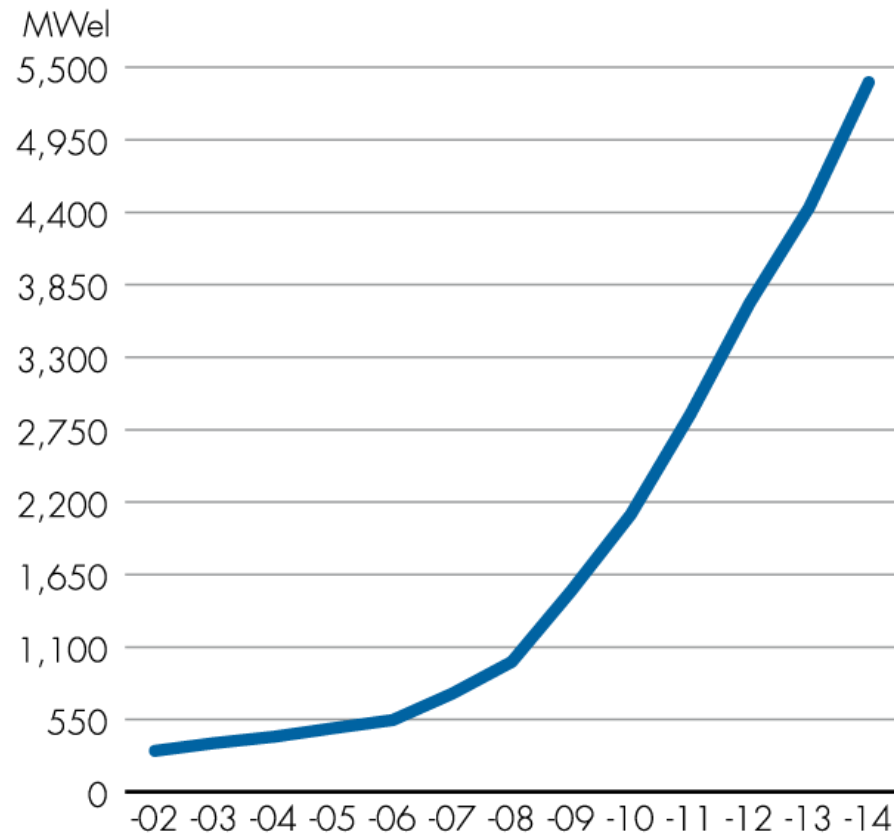
Source: Swedenergy

Energy industry gross investment in current prices



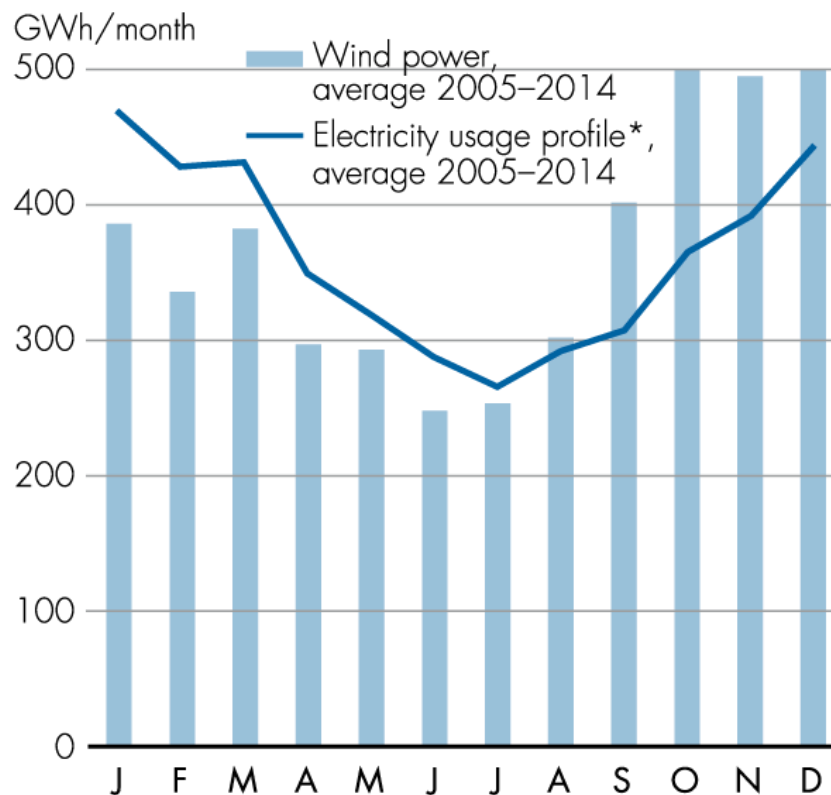
Source: Statistics Sweden

Installed wind power capacity in MW for the past 13 years



Source: Swedenergy

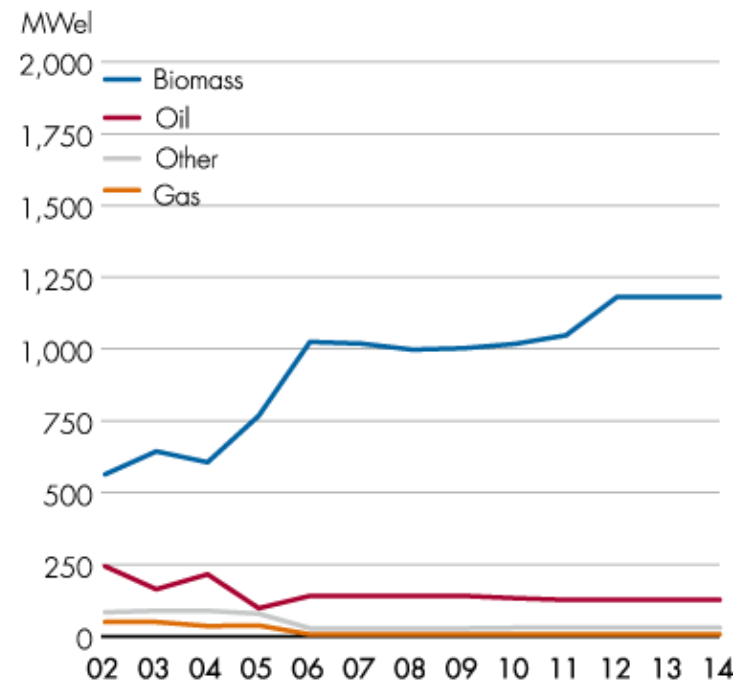
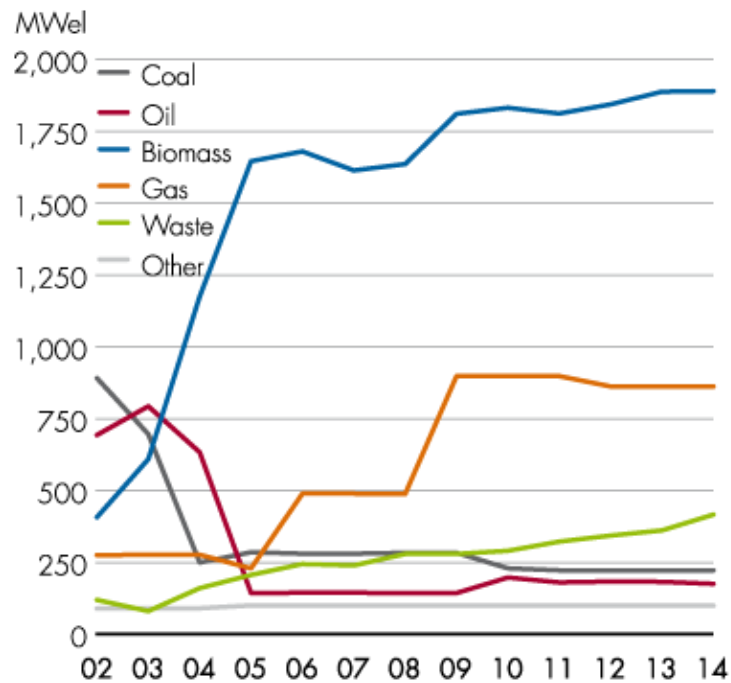
Average monthly generation of wind power for the past ten years in relation to the annual electricity usage profile



* Electricity consumption scaled for comparison with wind power

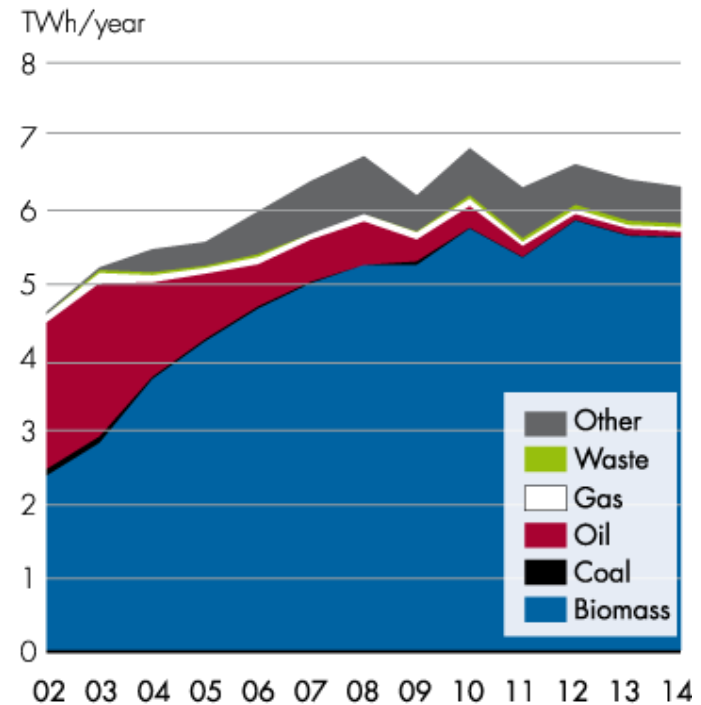
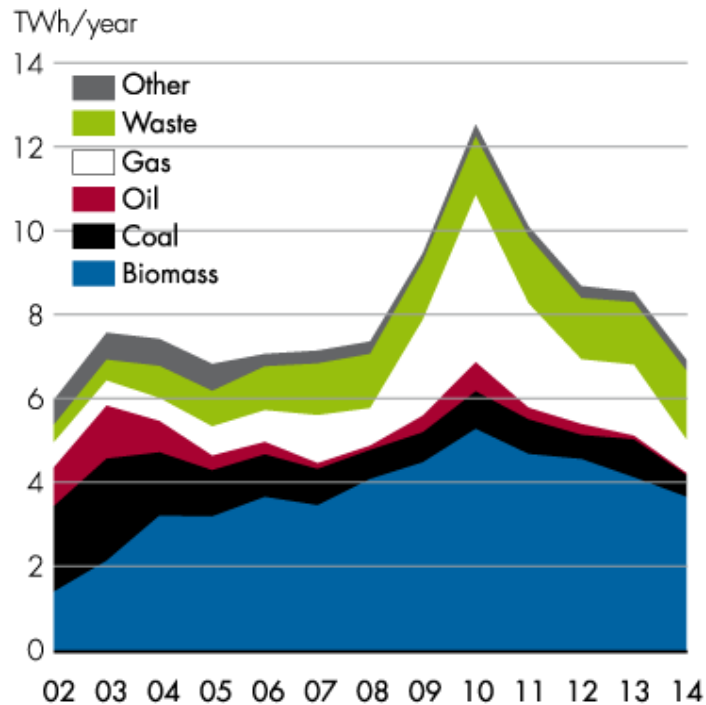
Source: Swedenergy

Installed power generation capacity in cogeneration district heating (at left) and industrial back-pressure plants 2002–2014



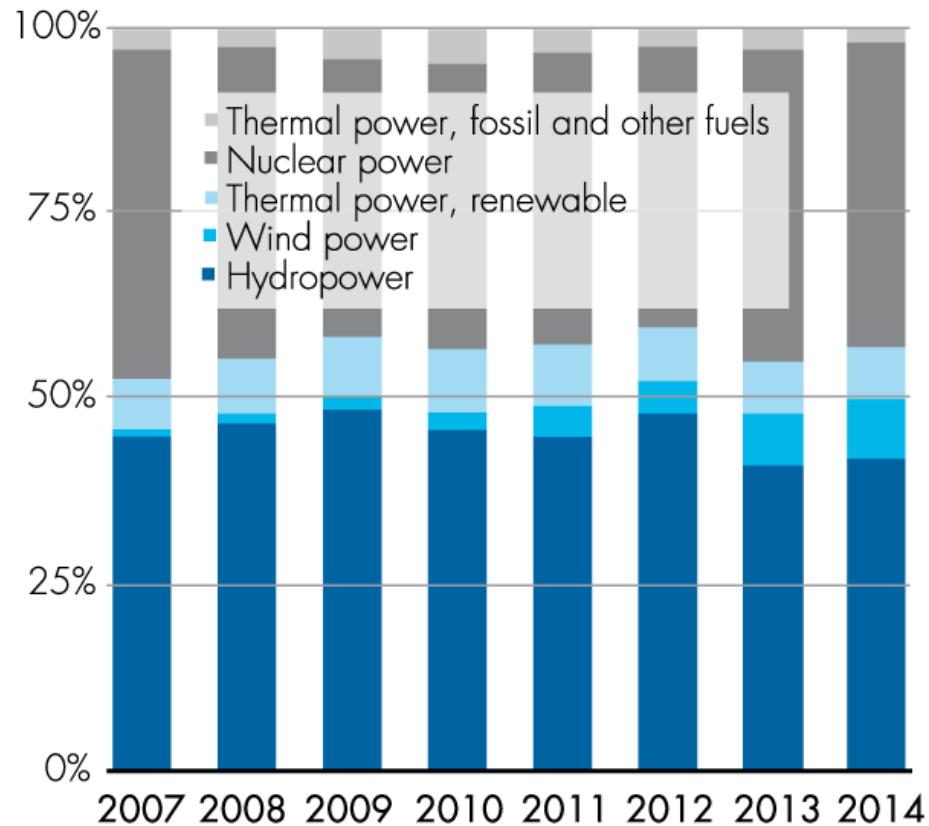
Source: Swedenergy

Power production by fuel type in cogeneration district heating and industrial back-pressure plants 2002–2014



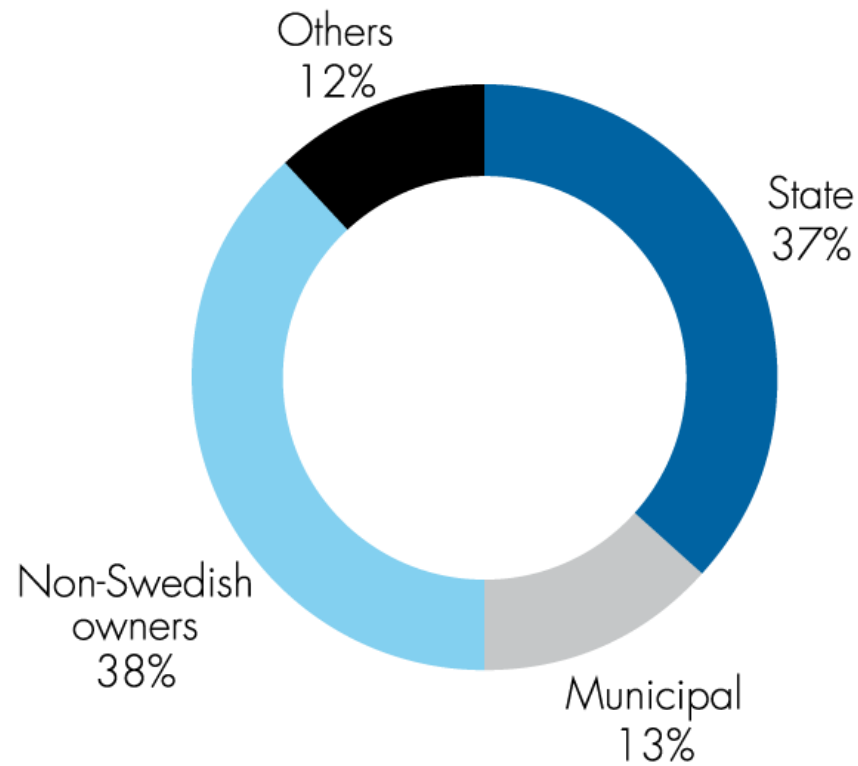
Source: Swedenergy

Development of renewable electricity generation 2007–2014



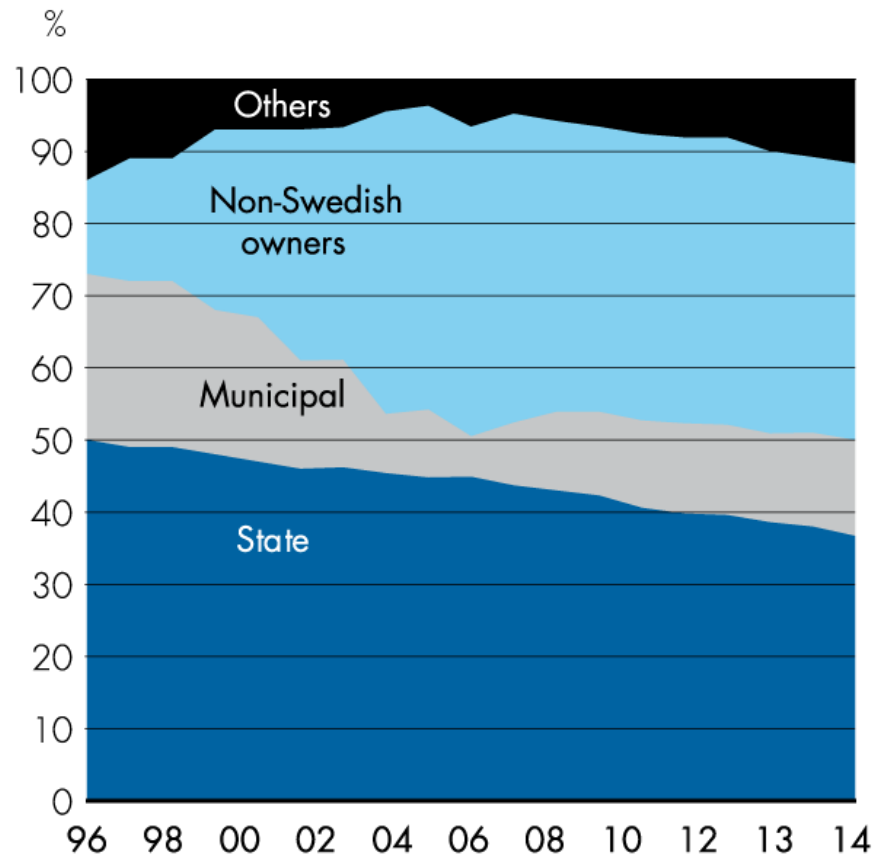
Source: Swedenergy

Ownership of generation capacity, values for 2014



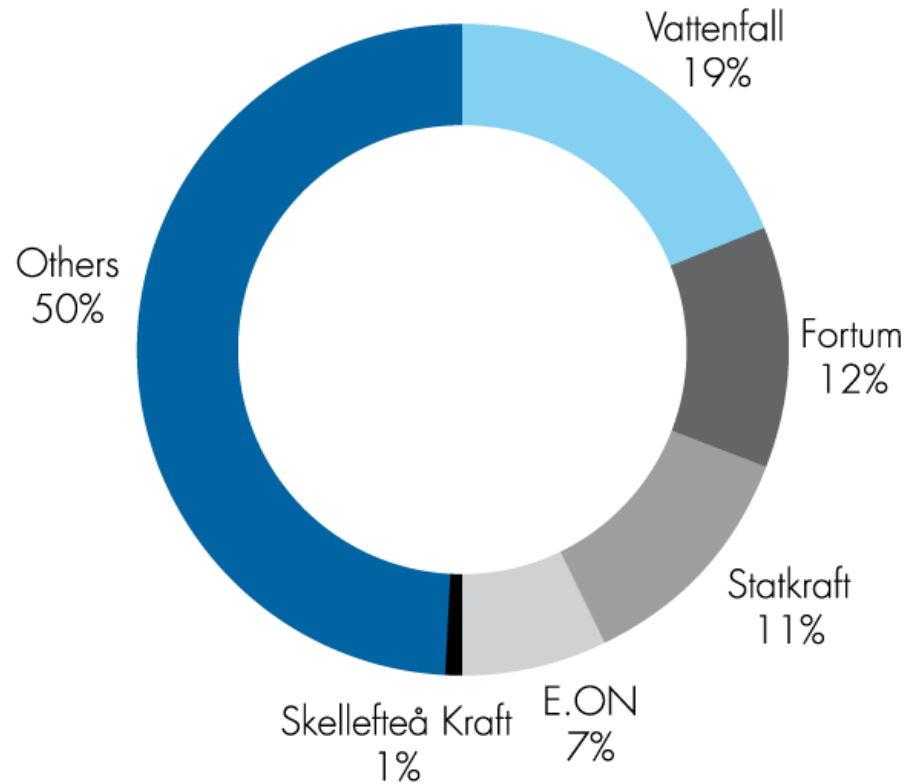
Source: Swedenergy

Changes in ownership of electricity generation 1996–2014



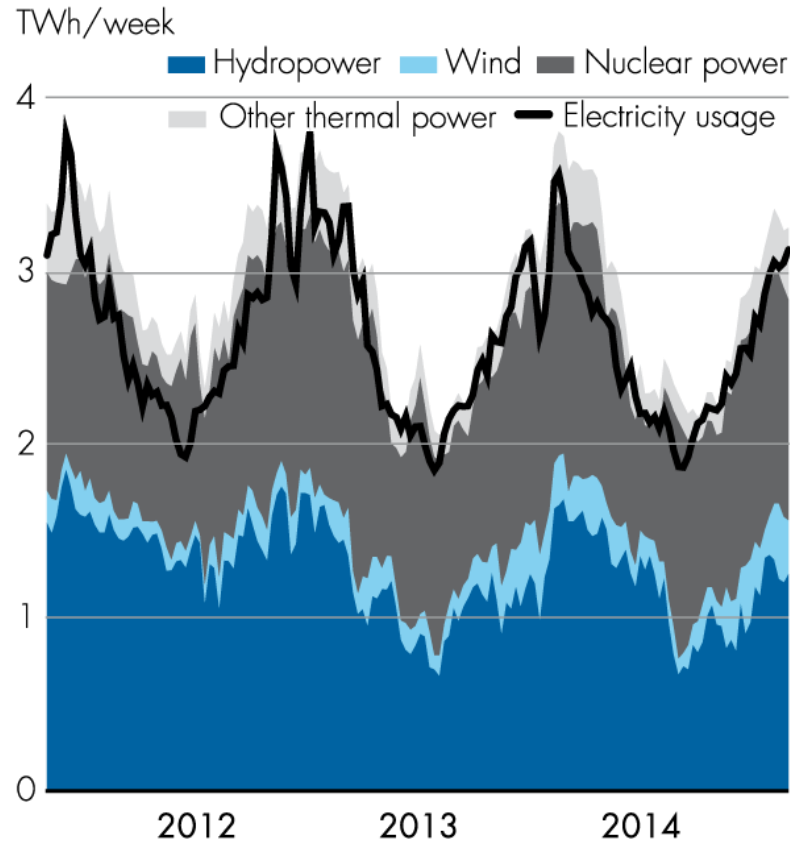
Source: Swedenergy

Five largest electricity producers in Sweden – production in Nordic region in 2014



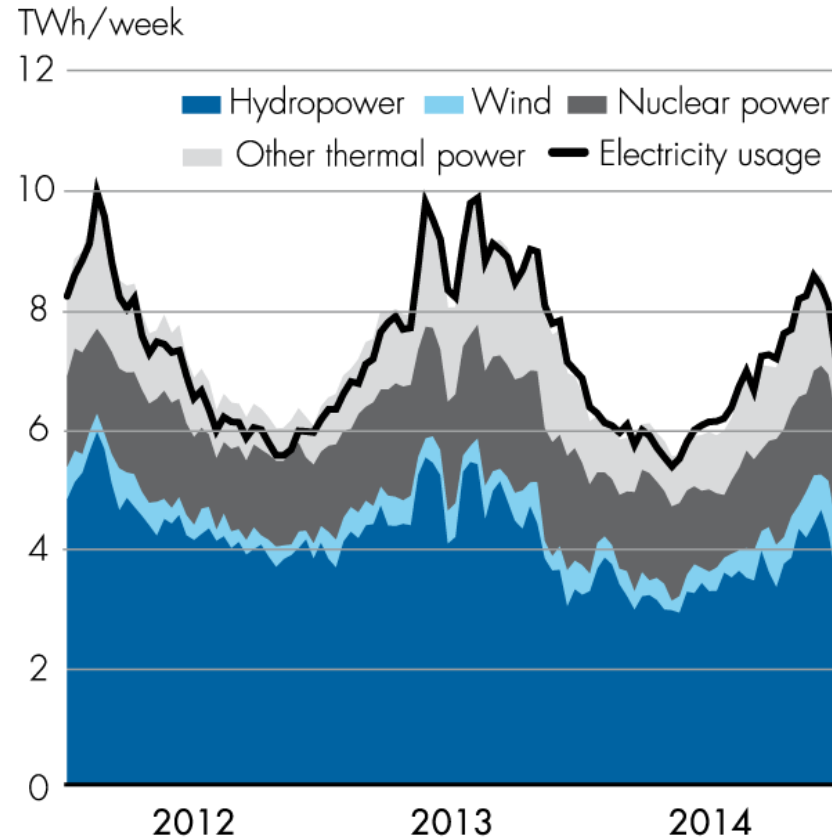
Source: Swedenergy

Electricity generation and usage in Sweden 2012–2014, TWh per week



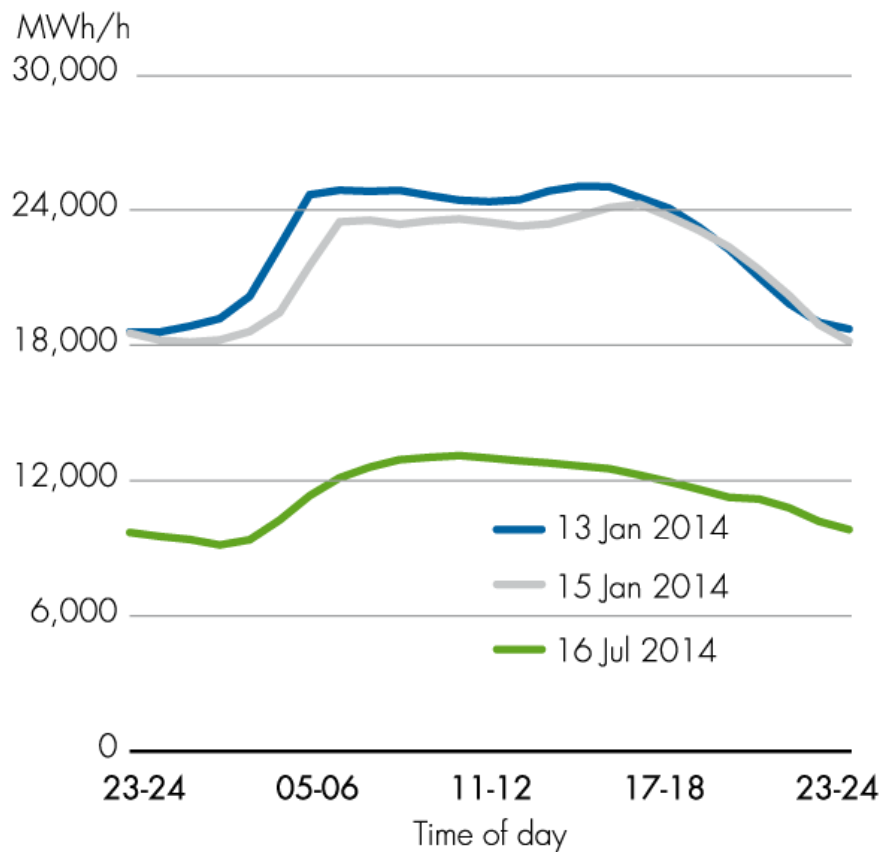
Source: Swedenergy

Electricity generation and usage in Nordic region 2012–2014, TWh per week



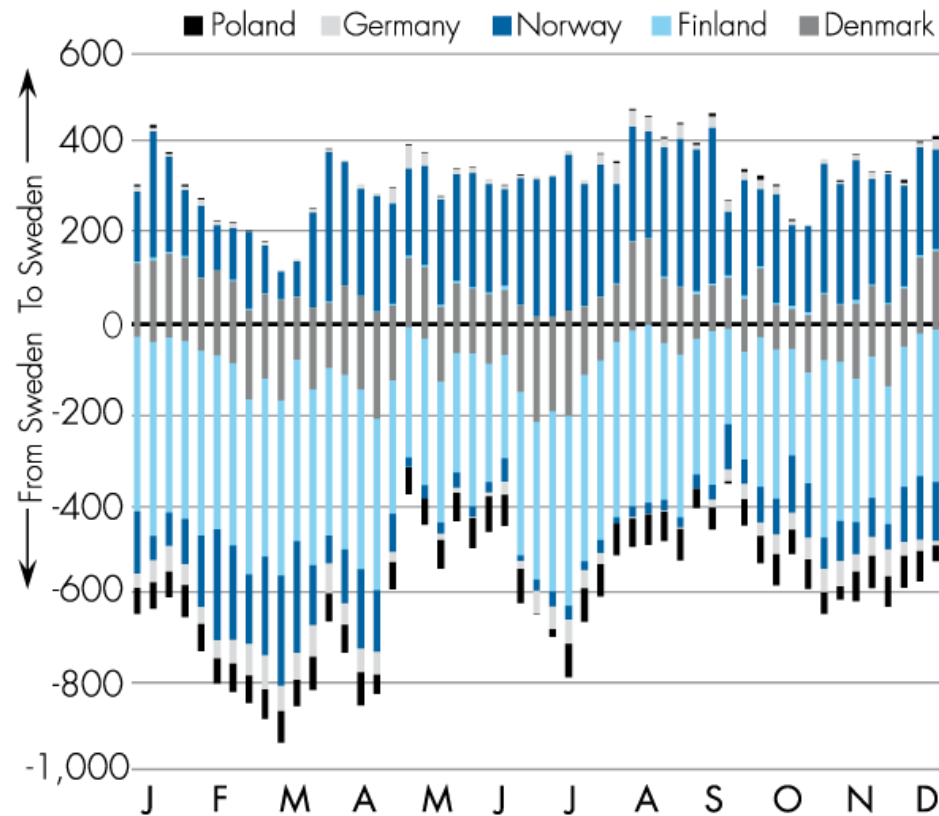
Source: Nord Pool Spot

Hourly load profile for electricity usage with peak demand in 2014 and typical 24-hour period in winter and summer



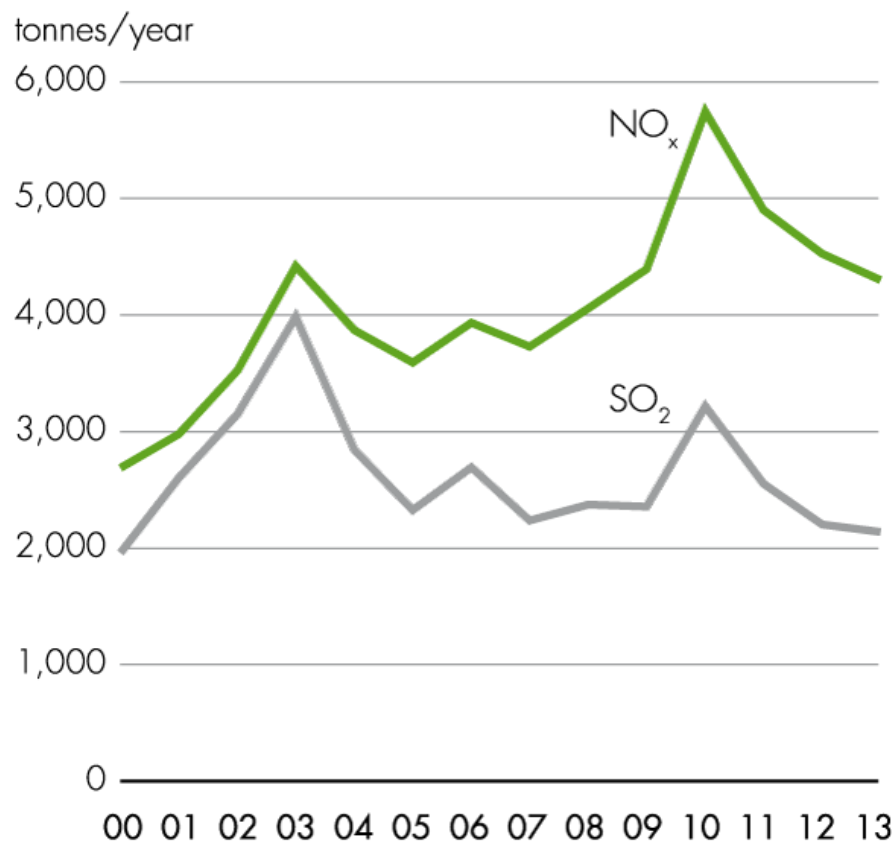
Sources: Svenska kraftnät, Swedenergy

Net flow of electricity to and from Sweden per country in 2014, GWh per week



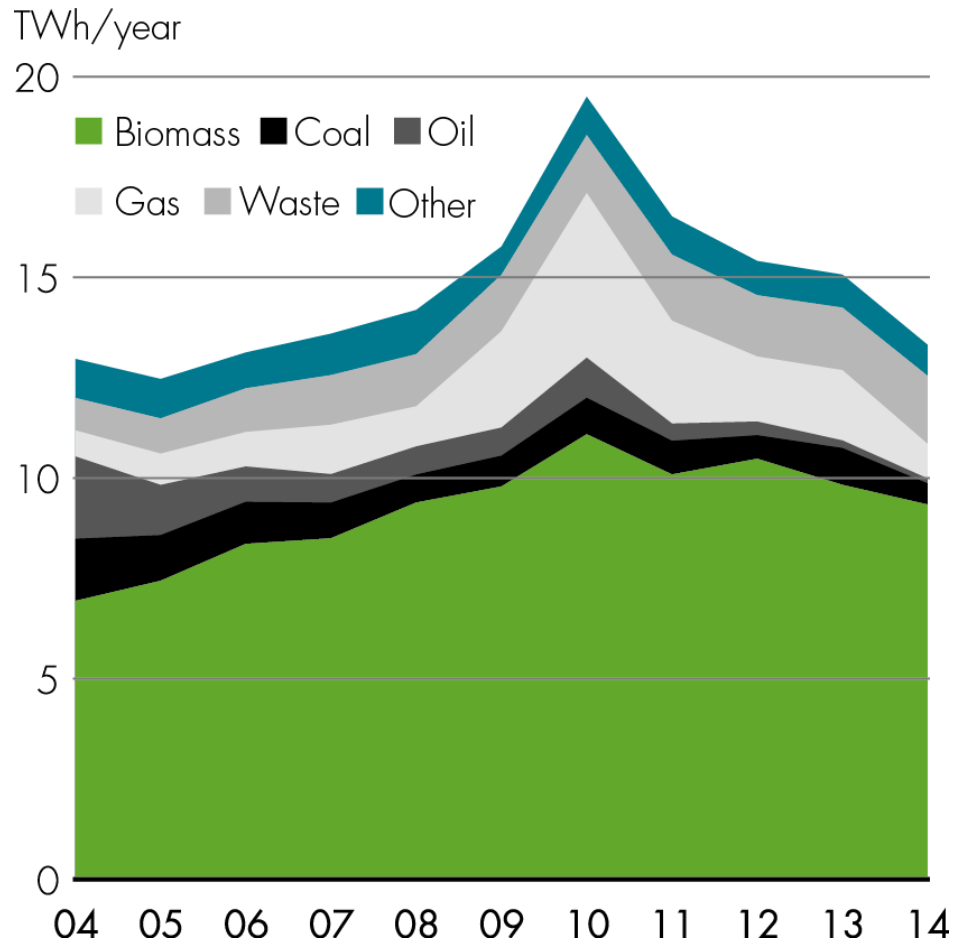
Source: Svenska kraftnät

Airborne emissions of NO_x and SO₂ from electricity production 2000–2013, tonnes per year



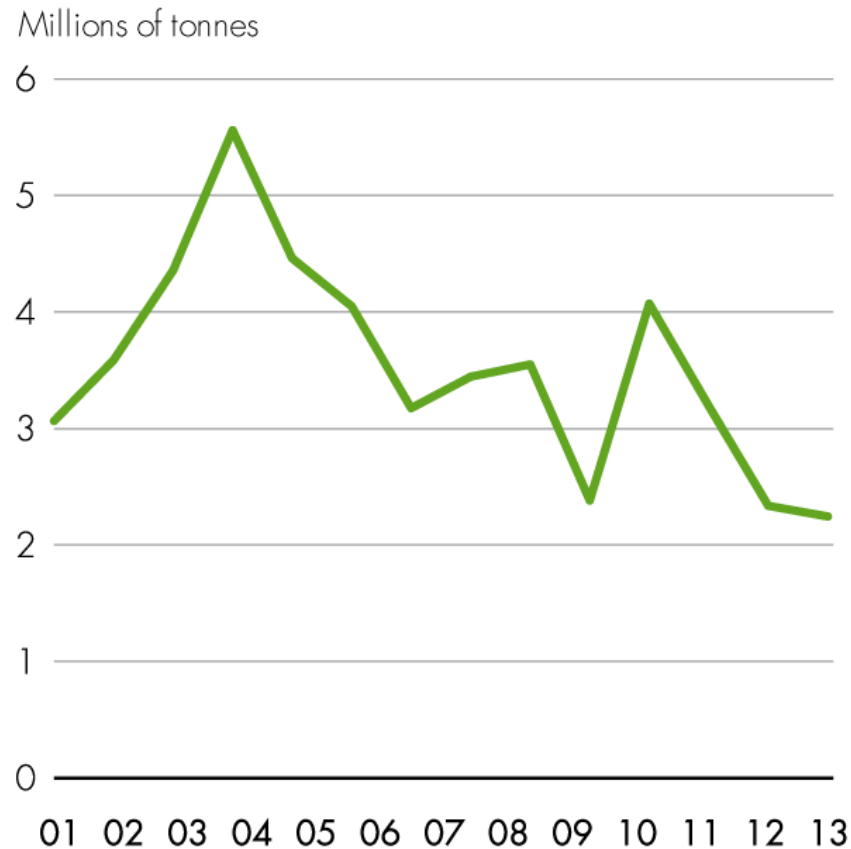
Sources: Statistics Sweden, Swedish Environmental Protection Agency, Swedenergy

Electricity production in CHP plants, TWh/year



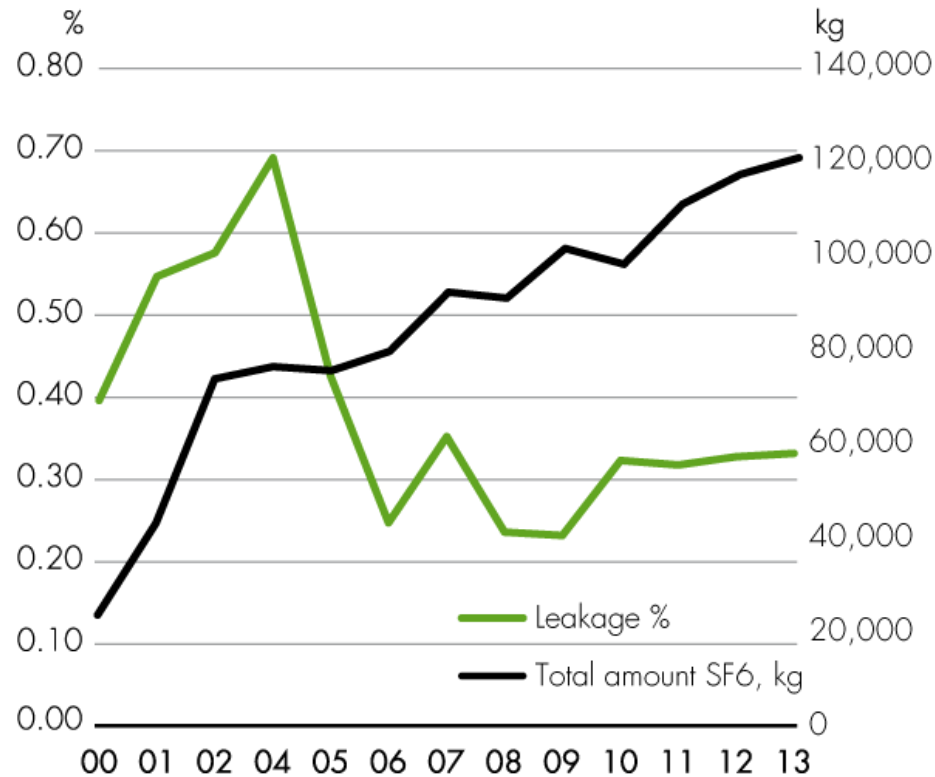
Source: Swedenergy

Airborne emissions of CO₂ from electricity production in 2001–2013



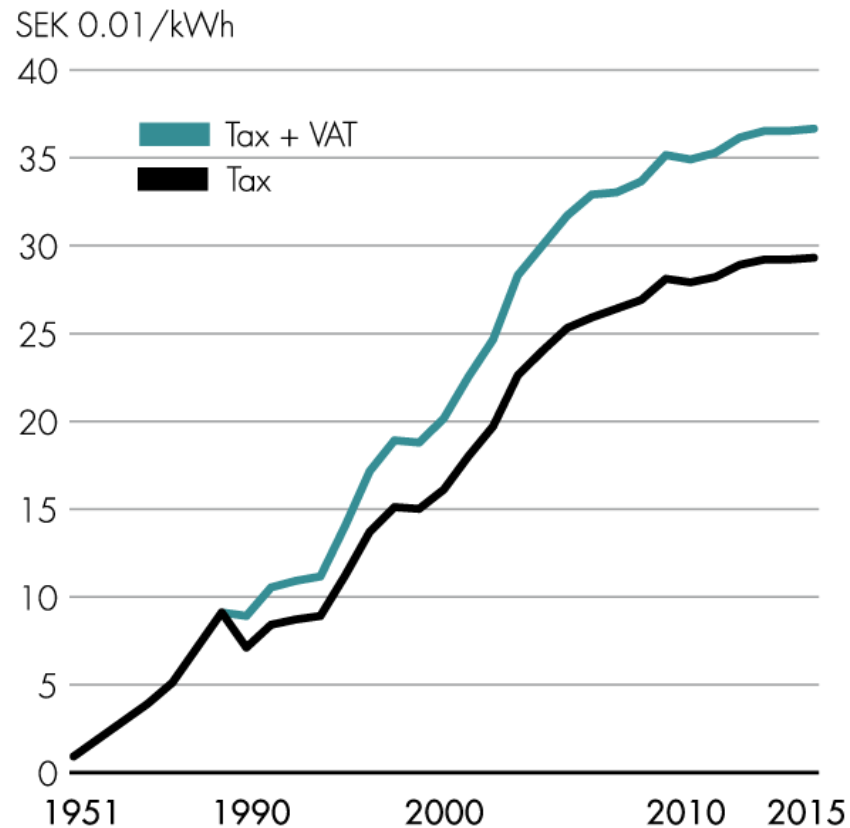
Sources: Statistics Sweden, Swedish Environmental Protection Agency, Swedenergy

Amount of SF6 and SF6 leakage (% of total usage) in production and transmission operations



Source: Swedenergy

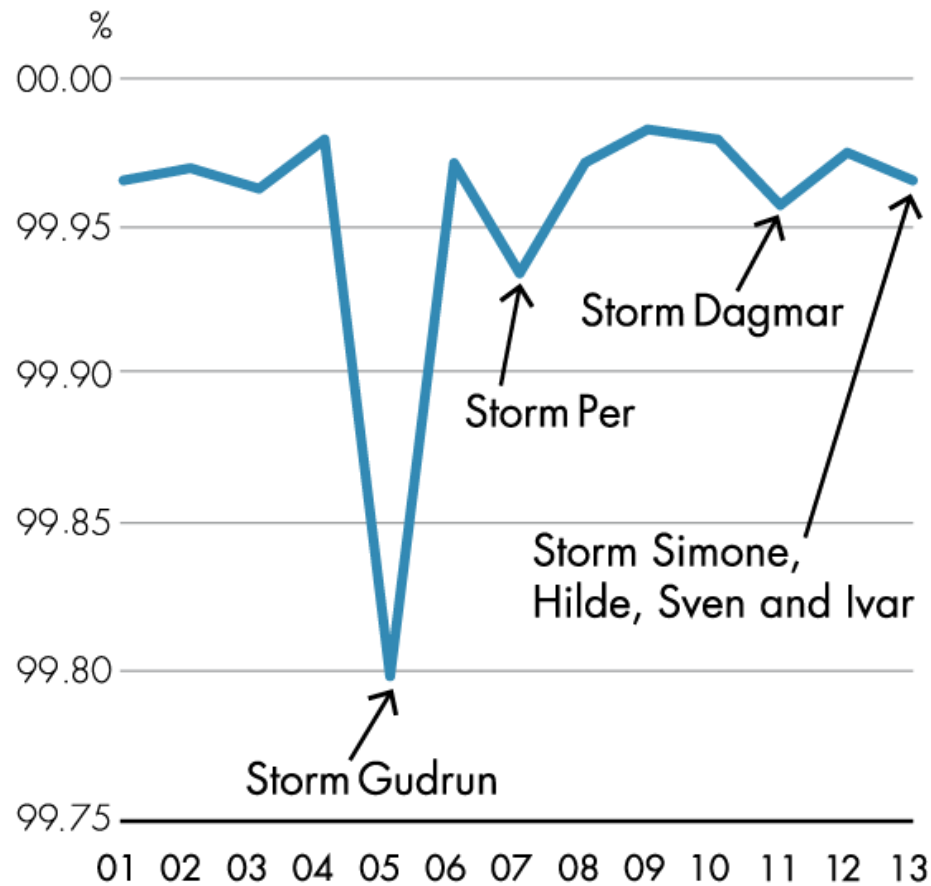
Development of electricity tax (energy tax on electricity) since 1951*



*The energy tax is lower for certain municipalities in northern Sweden

Sources: Statistics Sweden, Swedish Energy Agency

Continuity of supply in the Swedish electricity networks



Source: Swedenergy