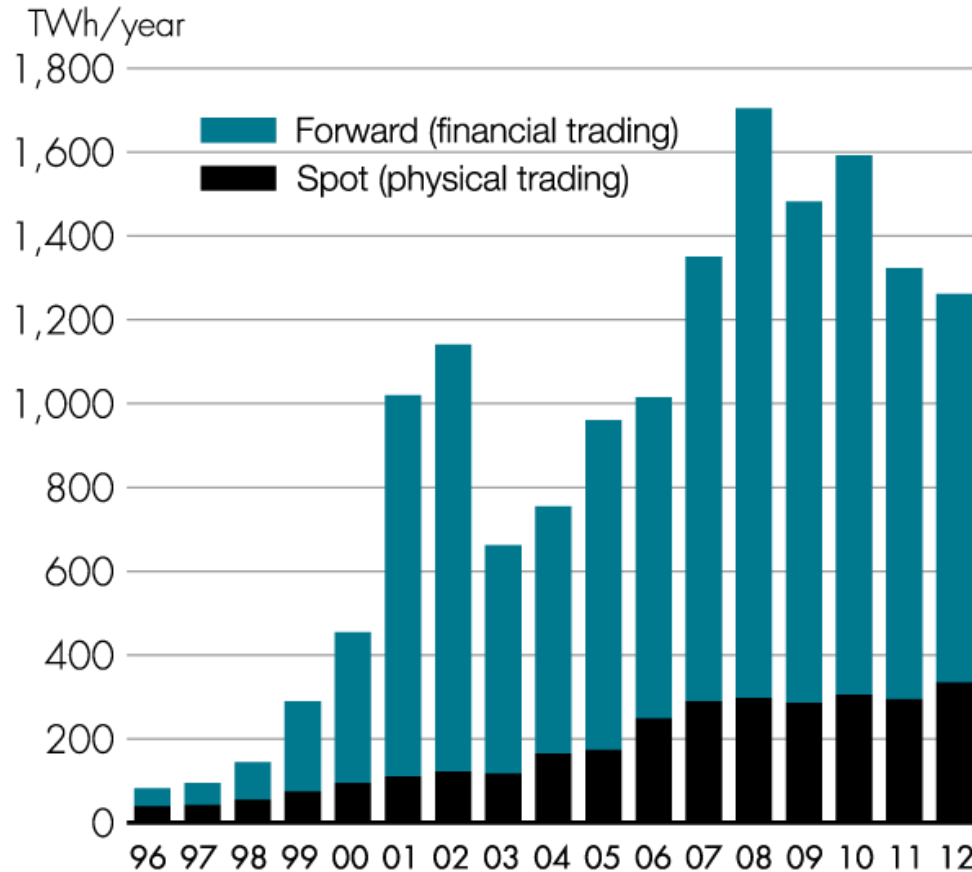




The Electricity Year 2012

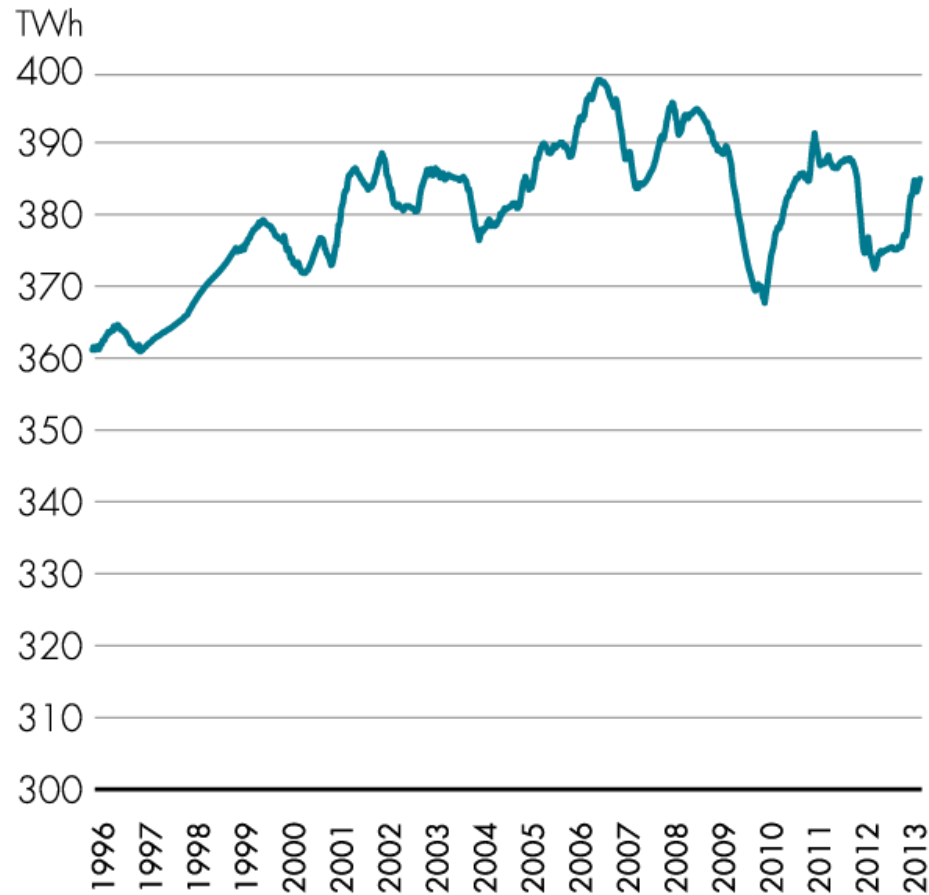
Diagram from the publication

Trading on the spot and forward markets



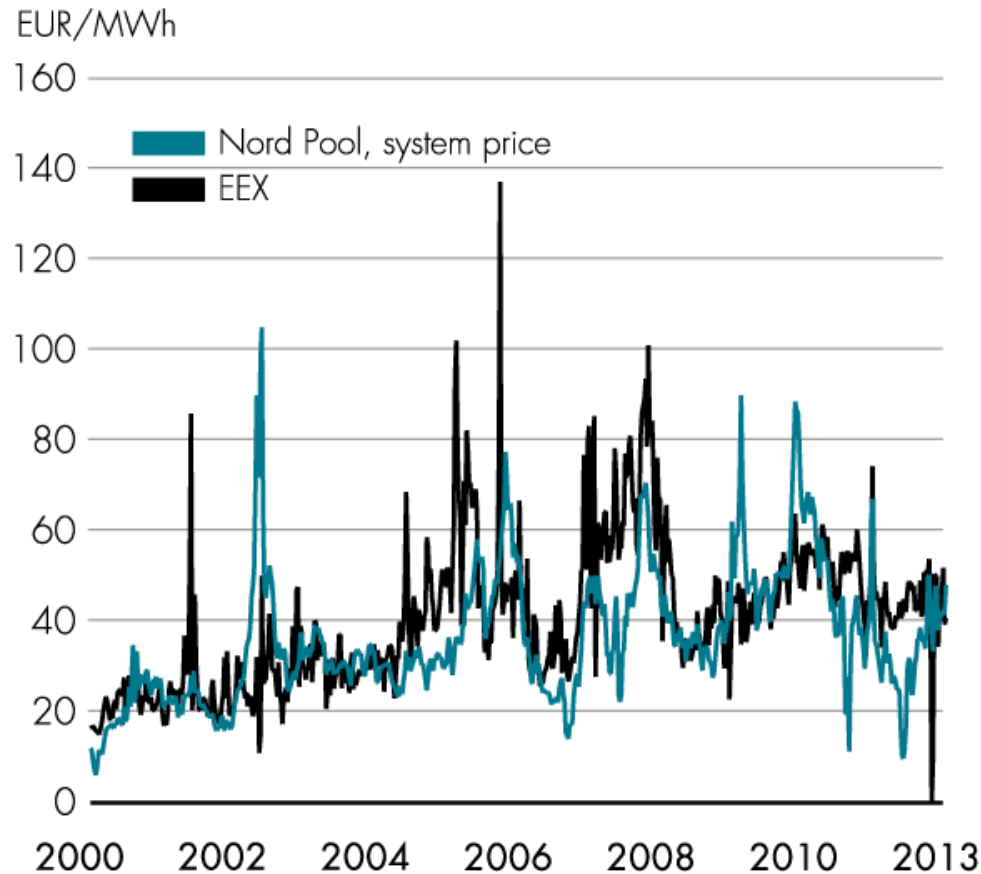
Source: Nord Pool Spot

Electricity usage in the Nordic region since 1996, TWh



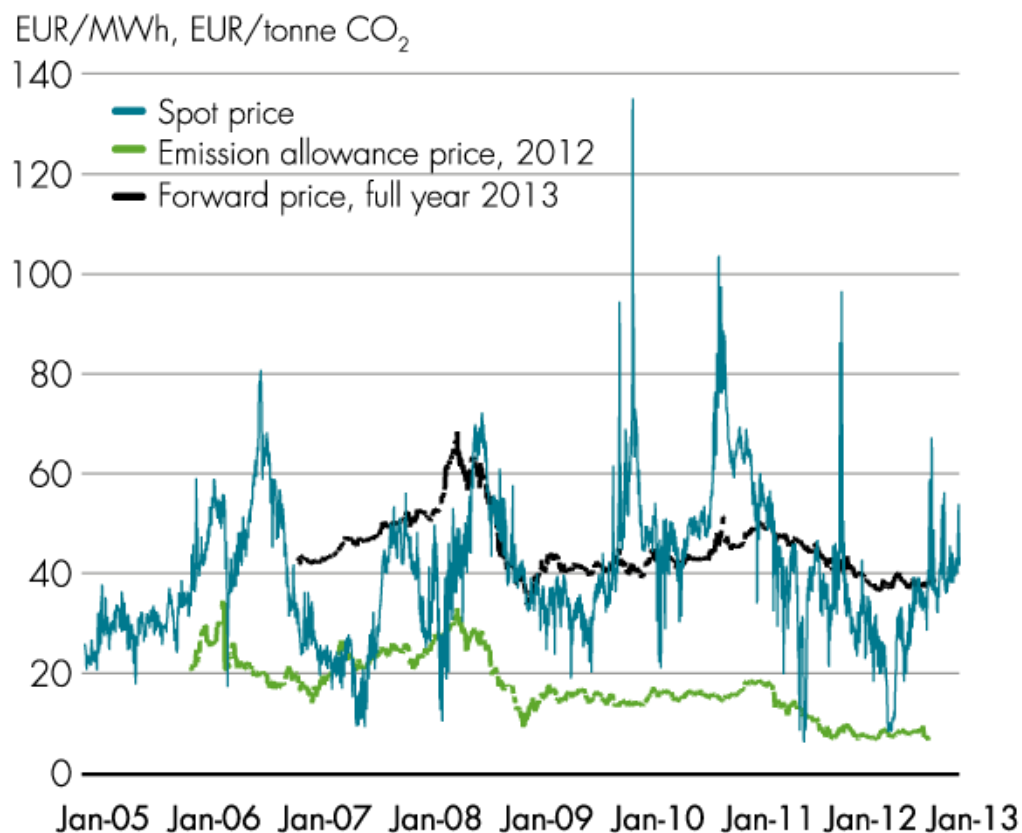
Source: Nord Pool Spot

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



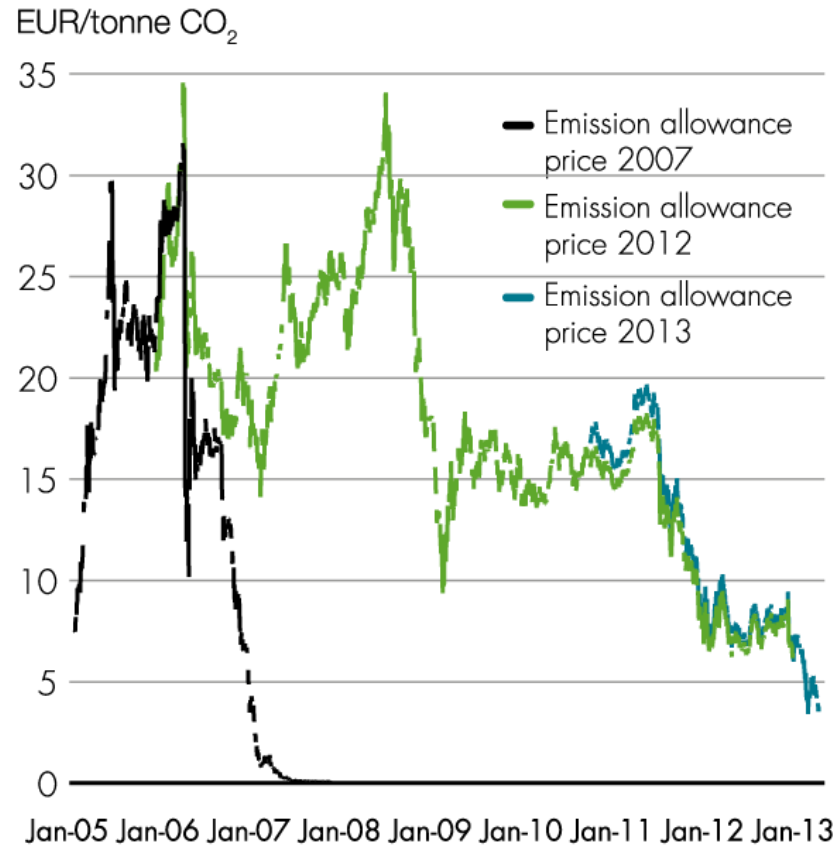
Sources: Nord Pool Spot, EEX

Electricity spot price, forward price and price of emission allowances



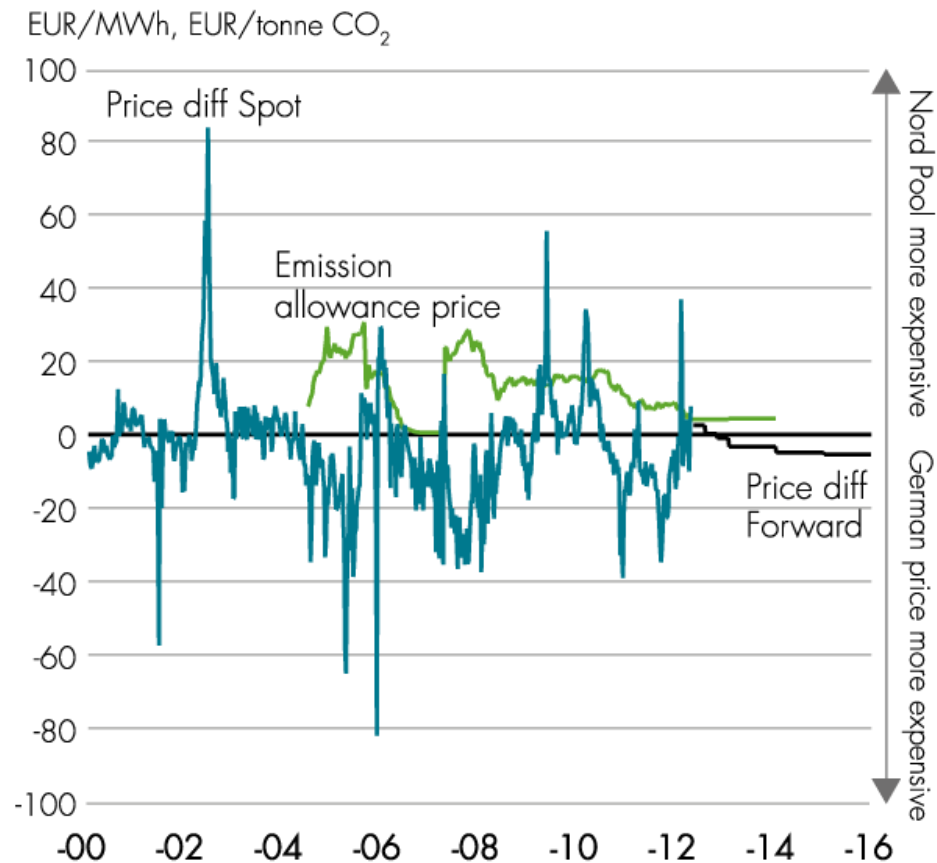
Source: Nord Pool Spot

Price of emission allowances on NASDAQ OMX commodities



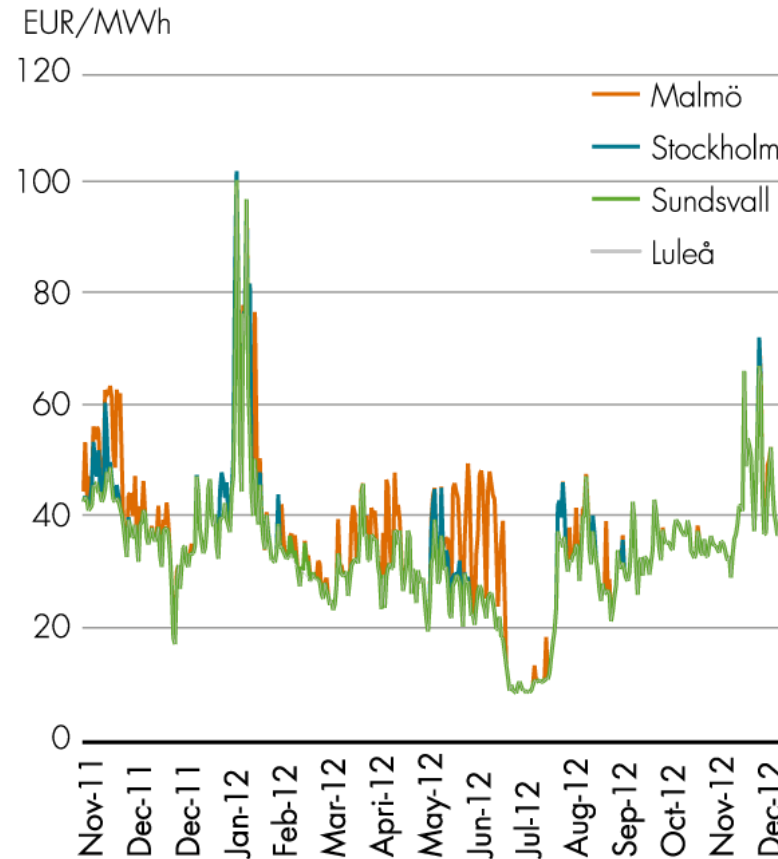
Source: Nord Pool Spot

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

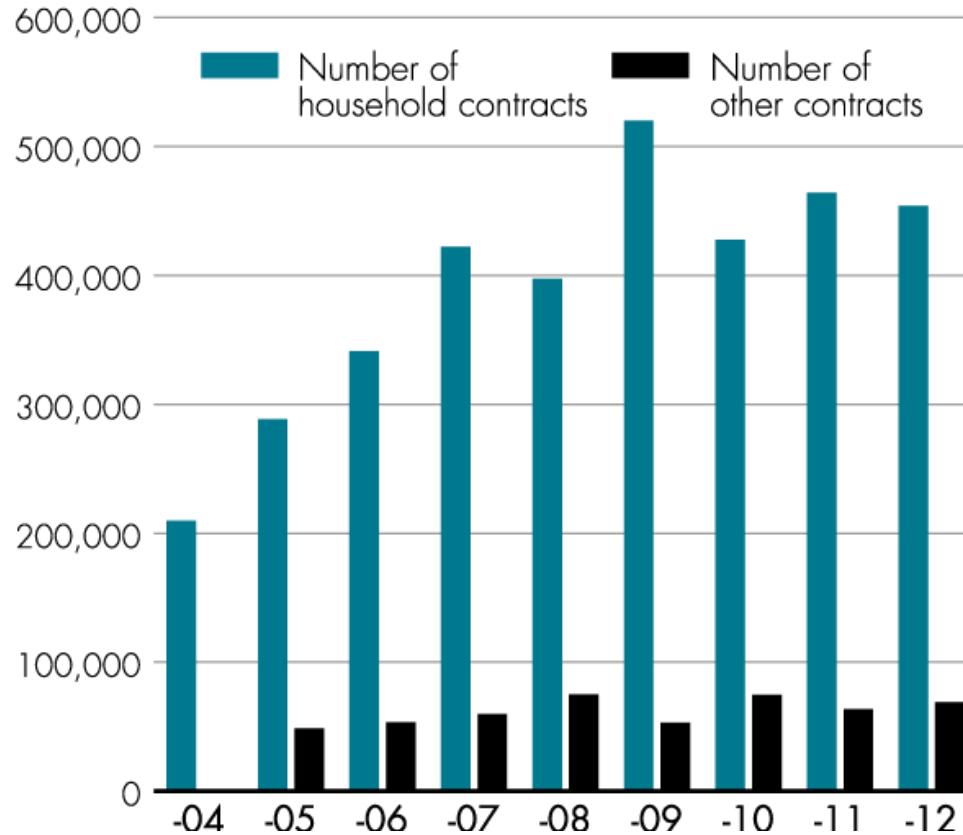
Installed capacity by bidding area on 1 january 2013, MWeI

	SE1	SE2	SE3	SE4	SE
Hydropower	5,255	8,014	2,593	341	16,203
Nuclear power			9,363		9,363
Wind power	363	665	1,563	1,154	3,745
Other thermal power	282	579	4,306	2,846	8,013
CHP, district heating system	160	263	2,219	929	3,571
CHP, industrial	122	316	602	335	1,375
Condensing power			493	1,005	1,498
Gas turbines			992	577	1,569
Solar power	n.d.	n.d.	n.d.	n.d.	24
Other	1	1	1	2	5
Entire country	5,900	9,258	17,825	4,341	37,353

n.d.= no data available

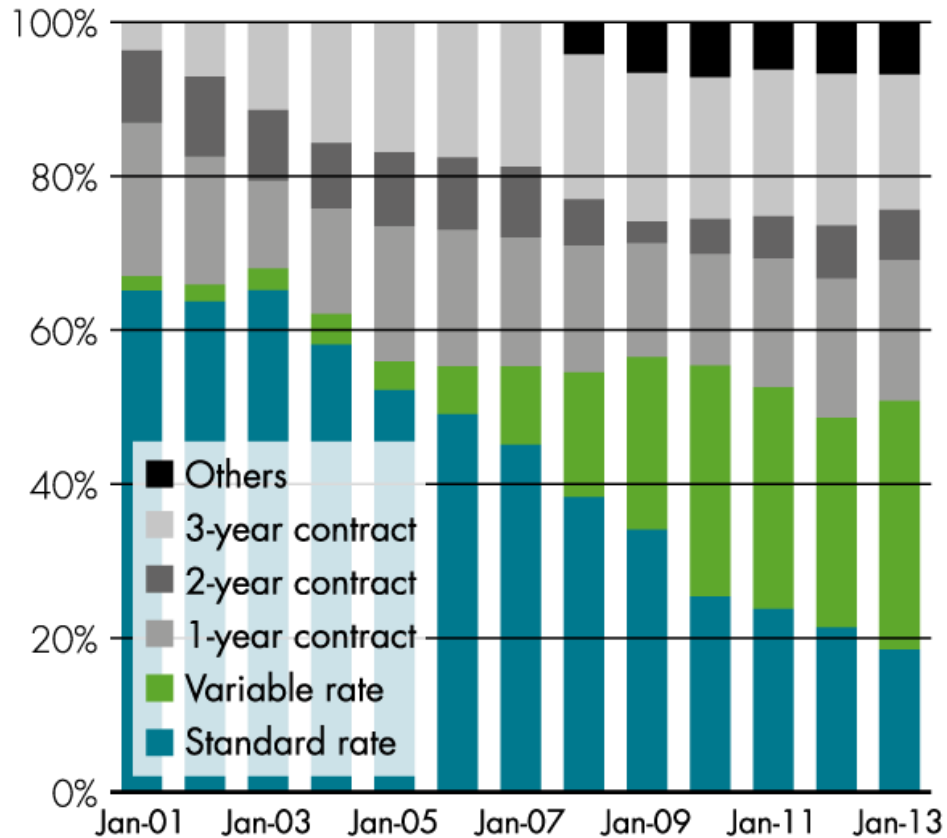
Source: Swedenergy

Number of supplier switches per year



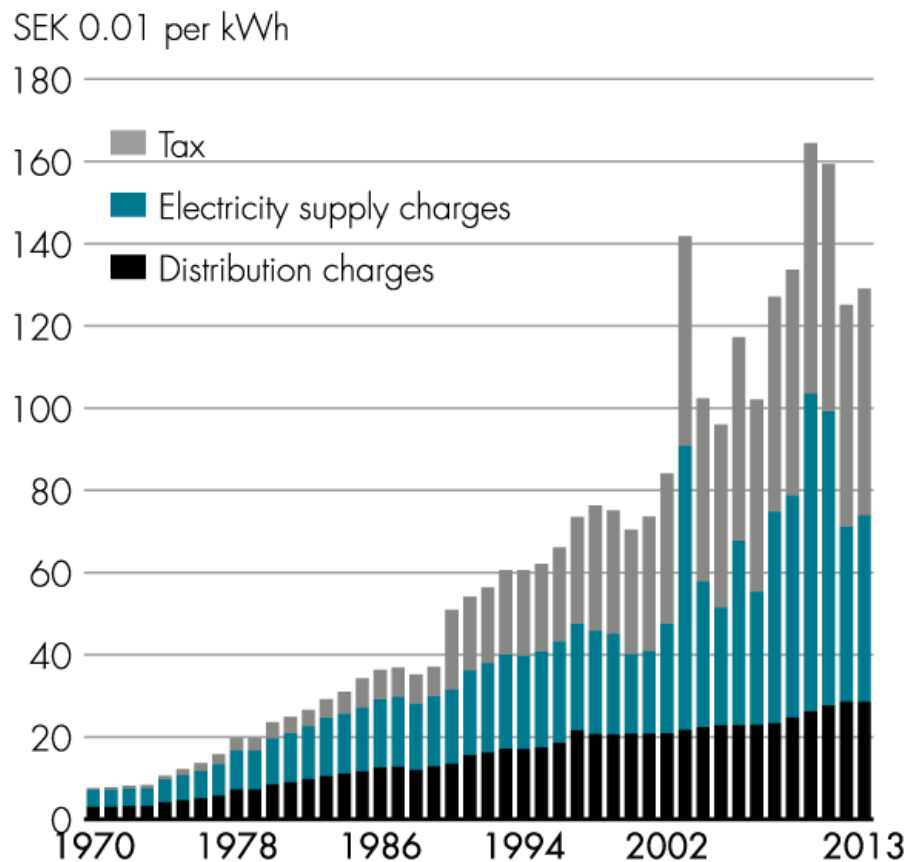
Source: Statistics Sweden

Customer mobility, January 2001–2013



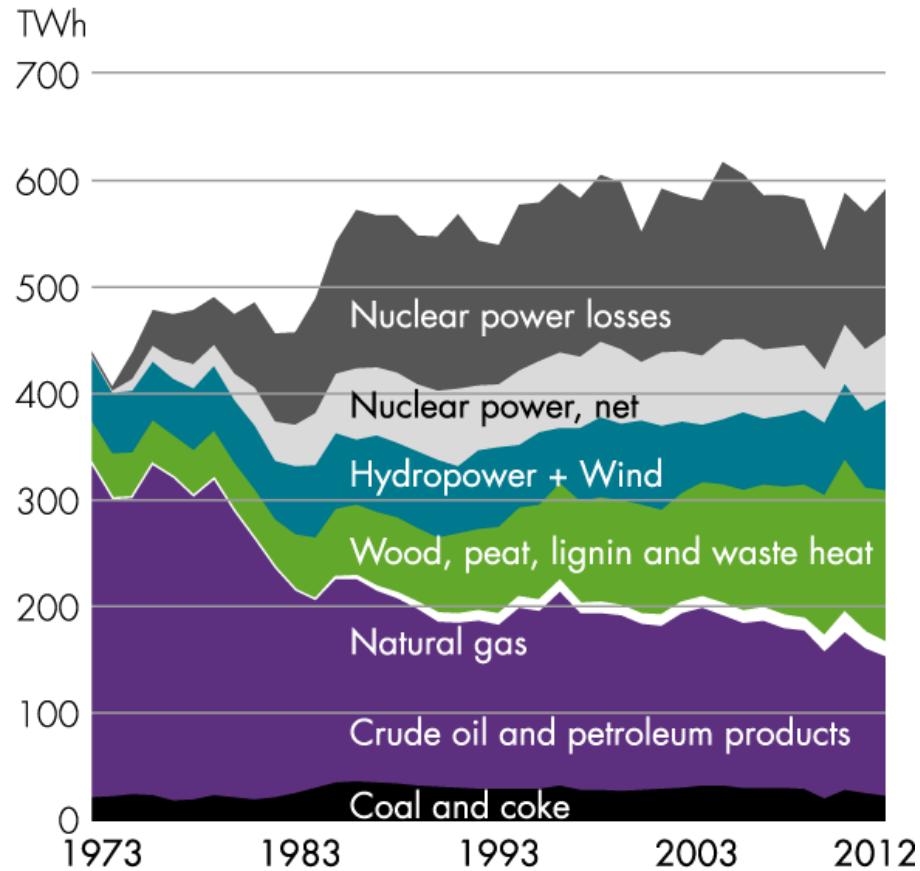
Source: Statistics Sweden

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



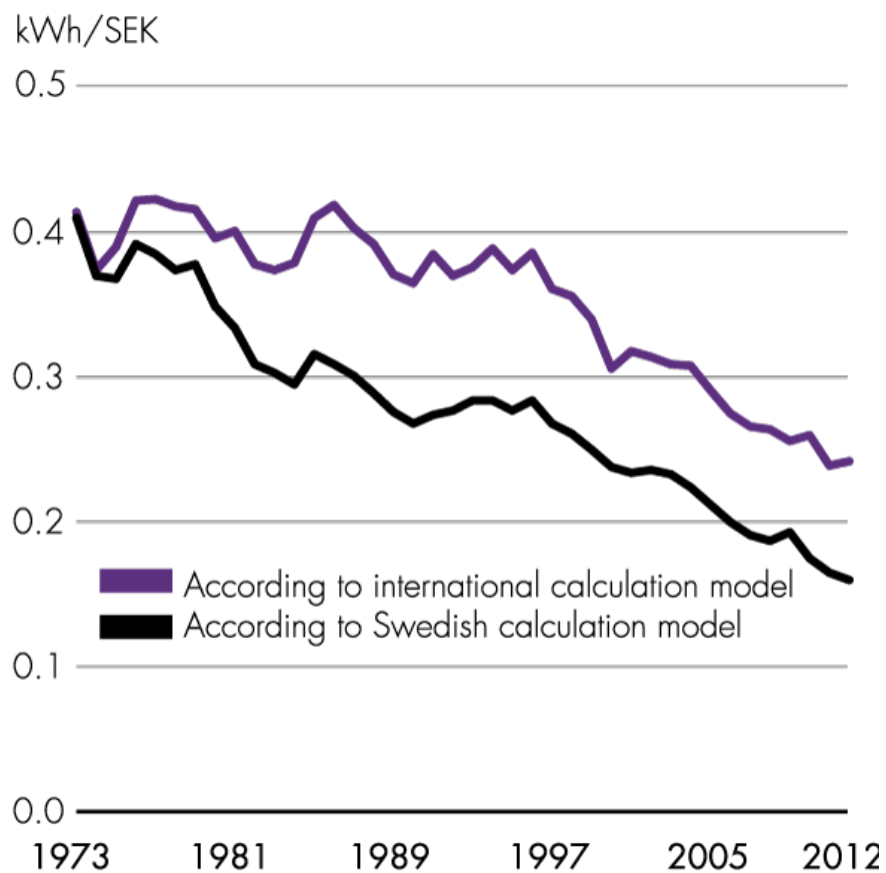
Sources: Swedish Energy Agency, Statistics Sweden

Total energy supply in Sweden 1973–2012



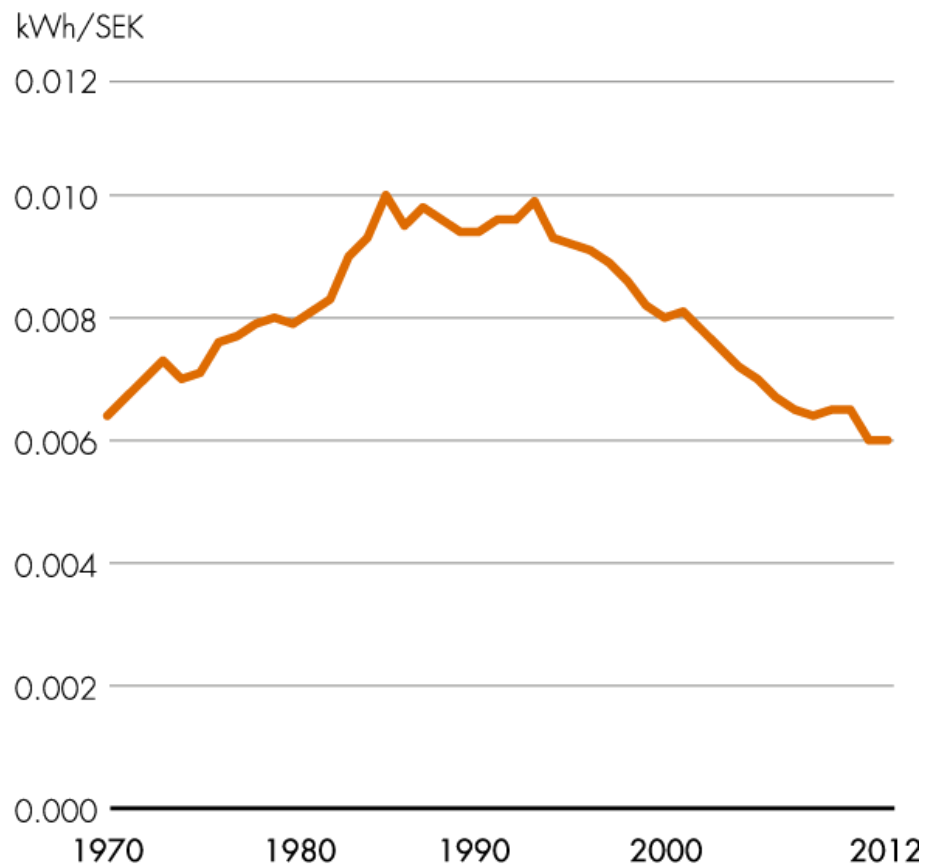
Source: Statistics Sweden

Total supplied energy in relation to GNP 1973–2012 (1995 prices)



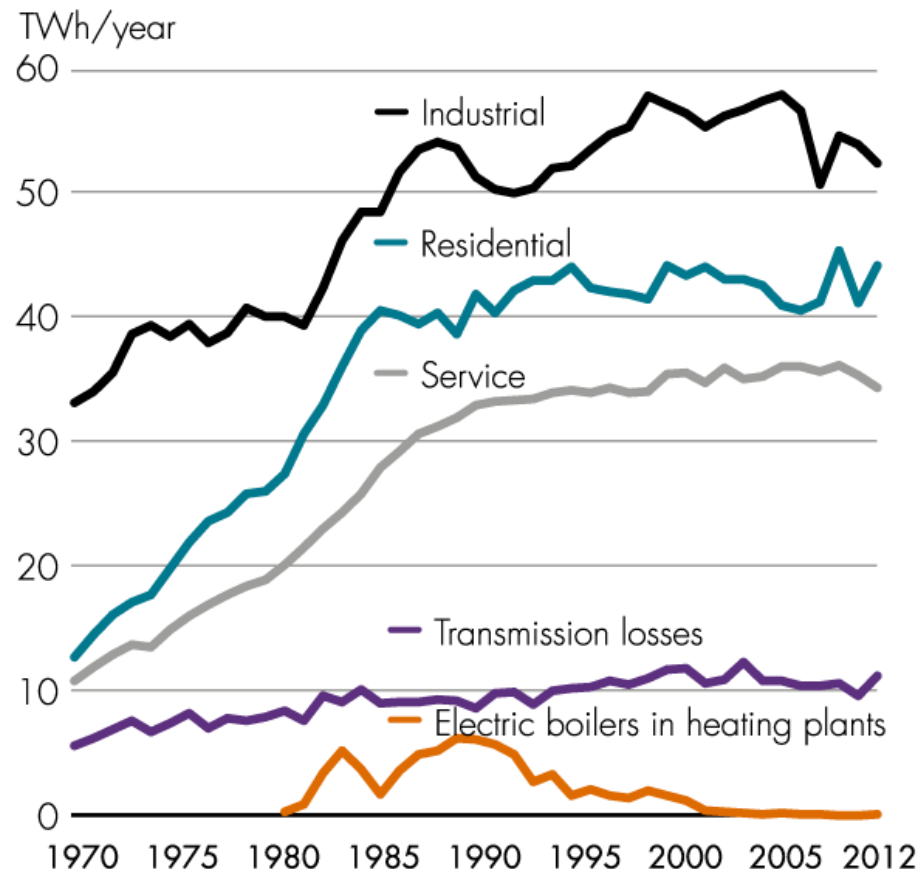
Source: Statistics Sweden

Electricity usage per GNP SEK 1970–2012 (1995 prices)



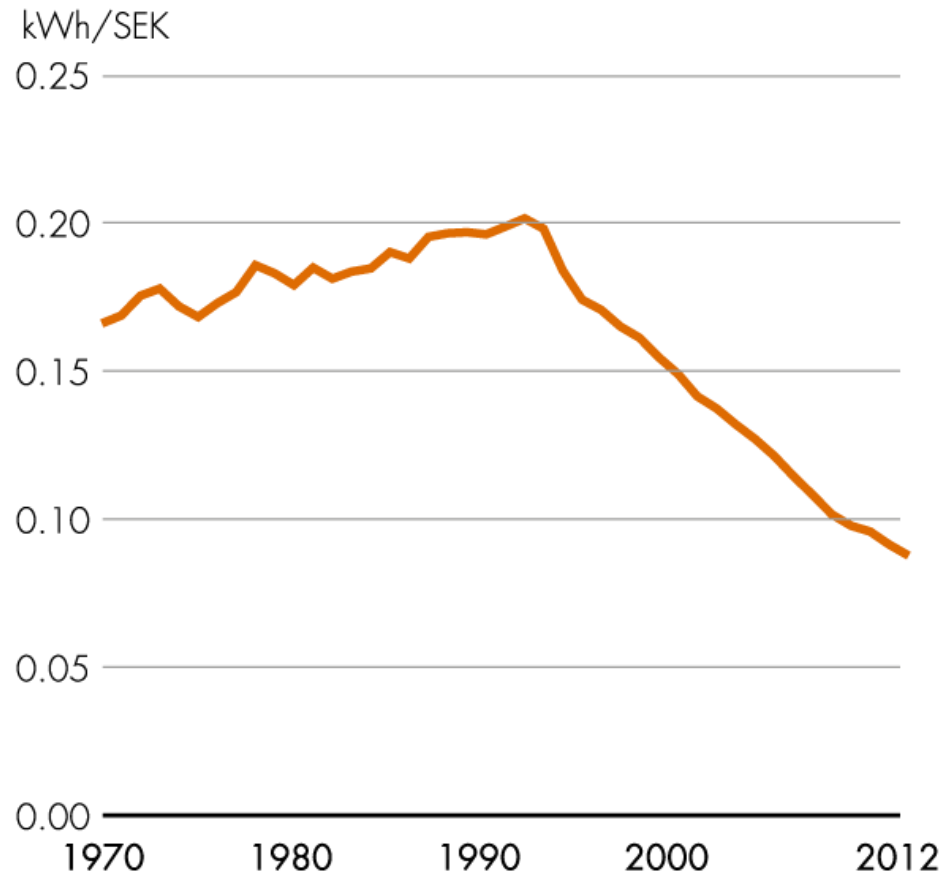
Source: Statistics Sweden

Breakdown of electricity usage by sector 1970–2012



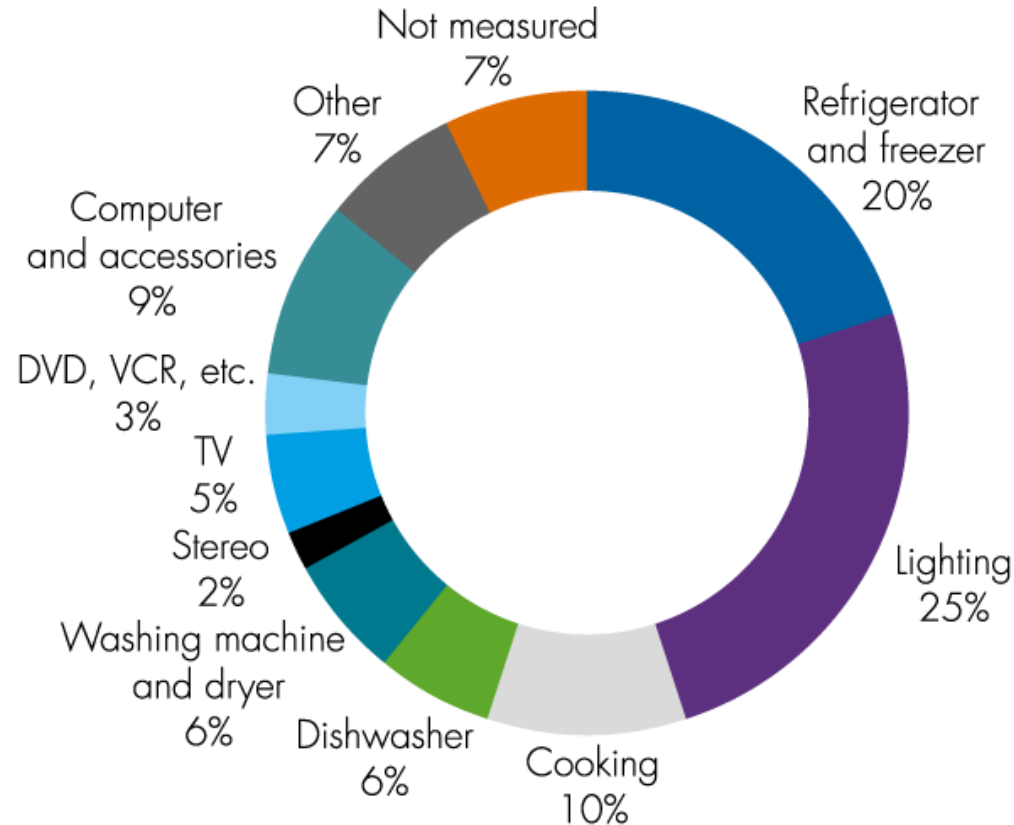
Source: Statistics Sweden

Industrial electricity usage in relation to value added 1970–2012 (1991 prices)



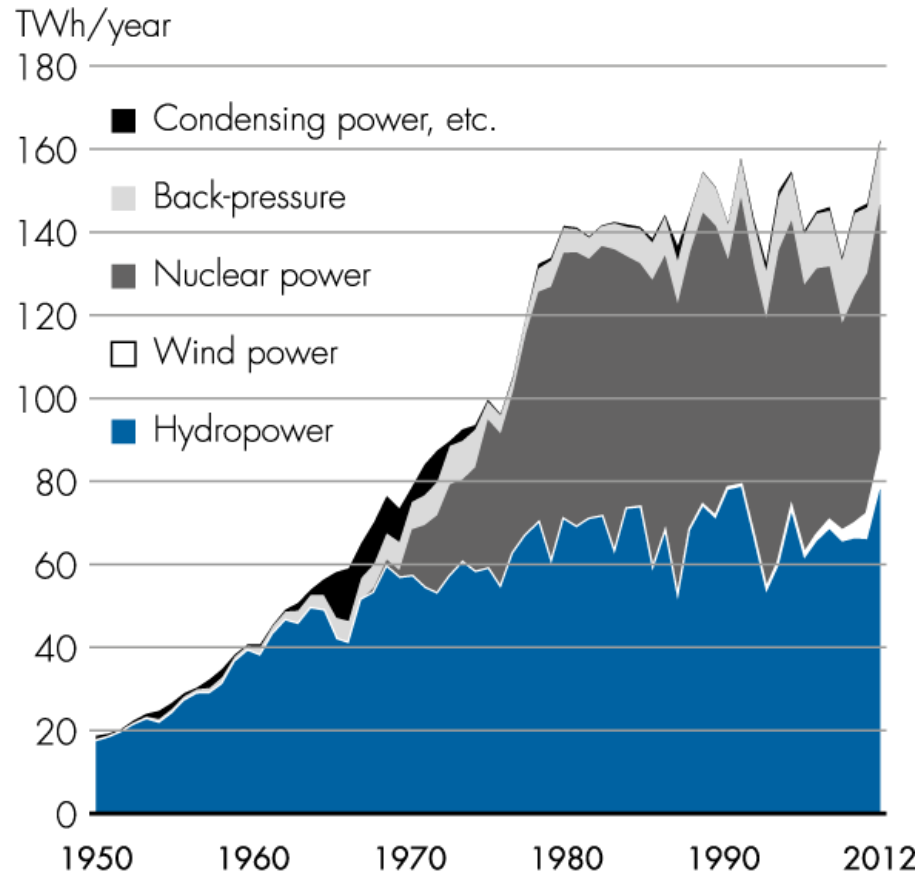
Source: Statistics Sweden

Household electricity usage by application (results for 2007)



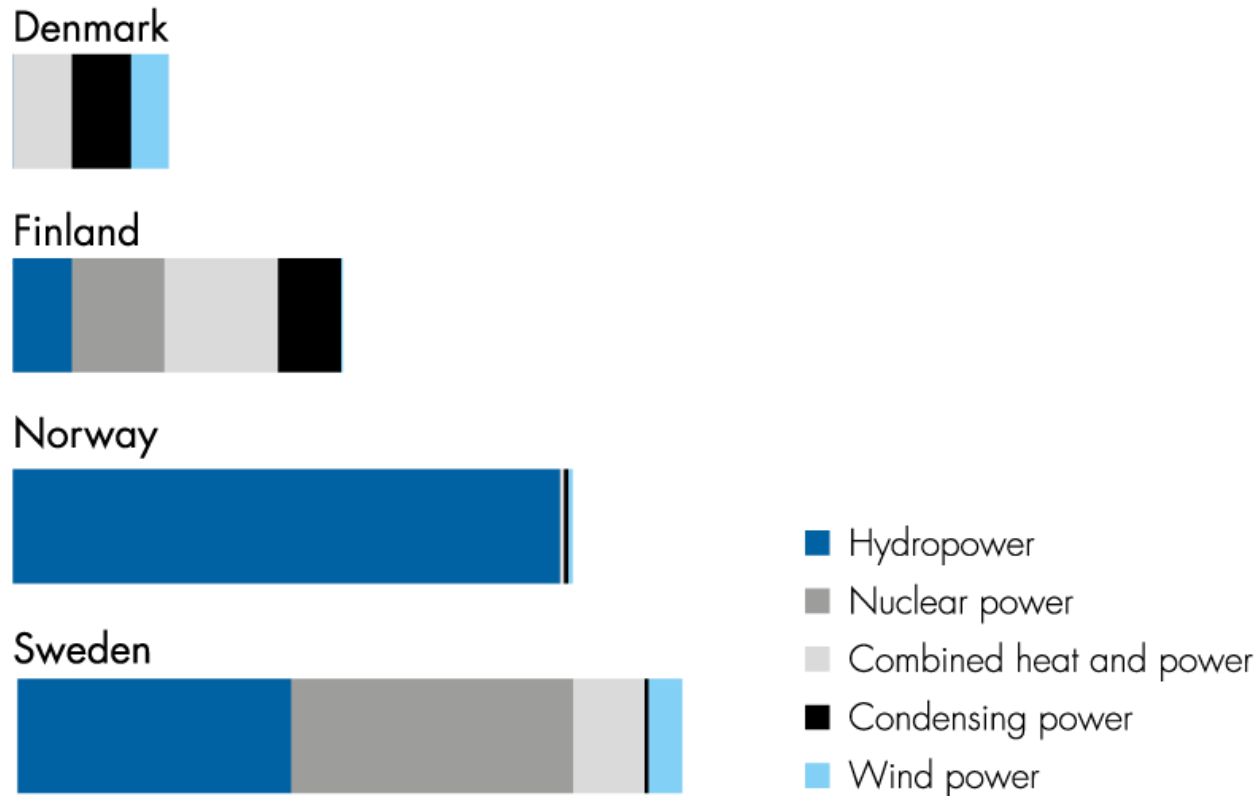
Source: Swedish Energy Agency

Total electricity supply in Sweden 1950–2012



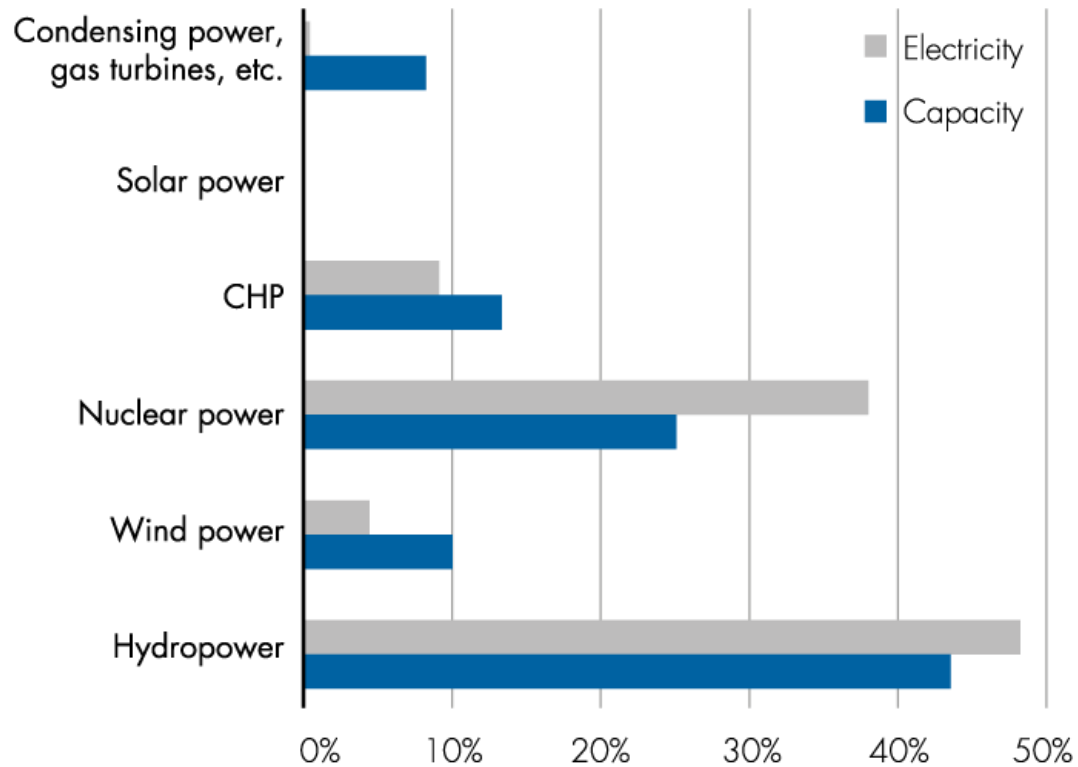
Source: Swedenergy

Normalized electricity production mix in the Nordic region



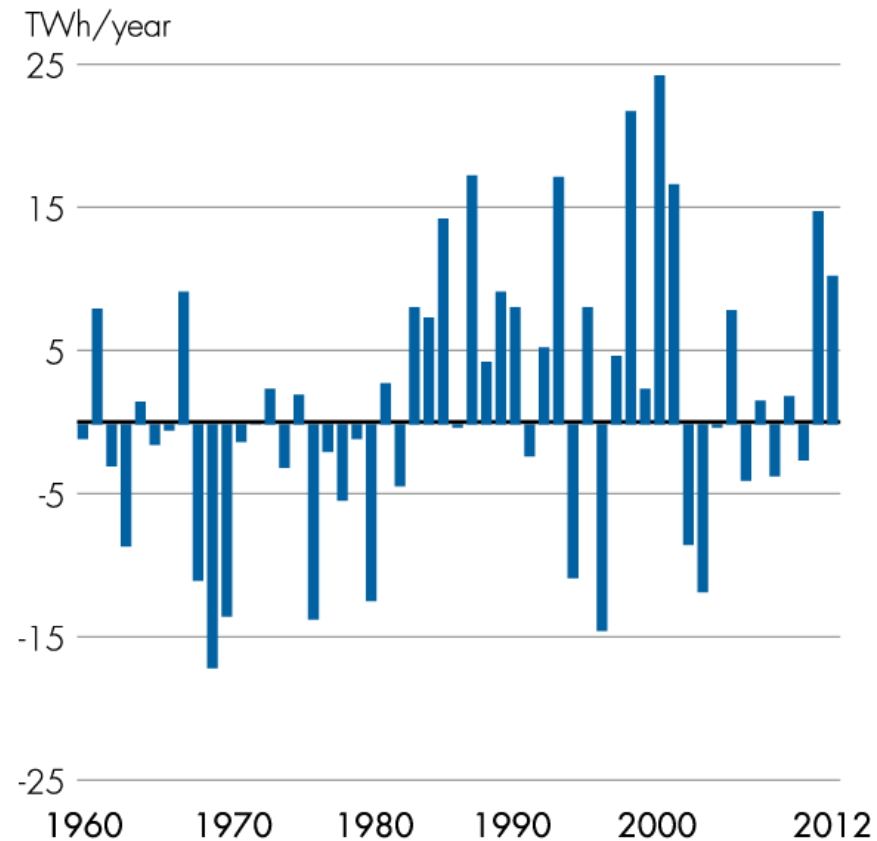
Source: Swedenergy

Breakdown of installed power capacity and annual electricity production for different power types 2012



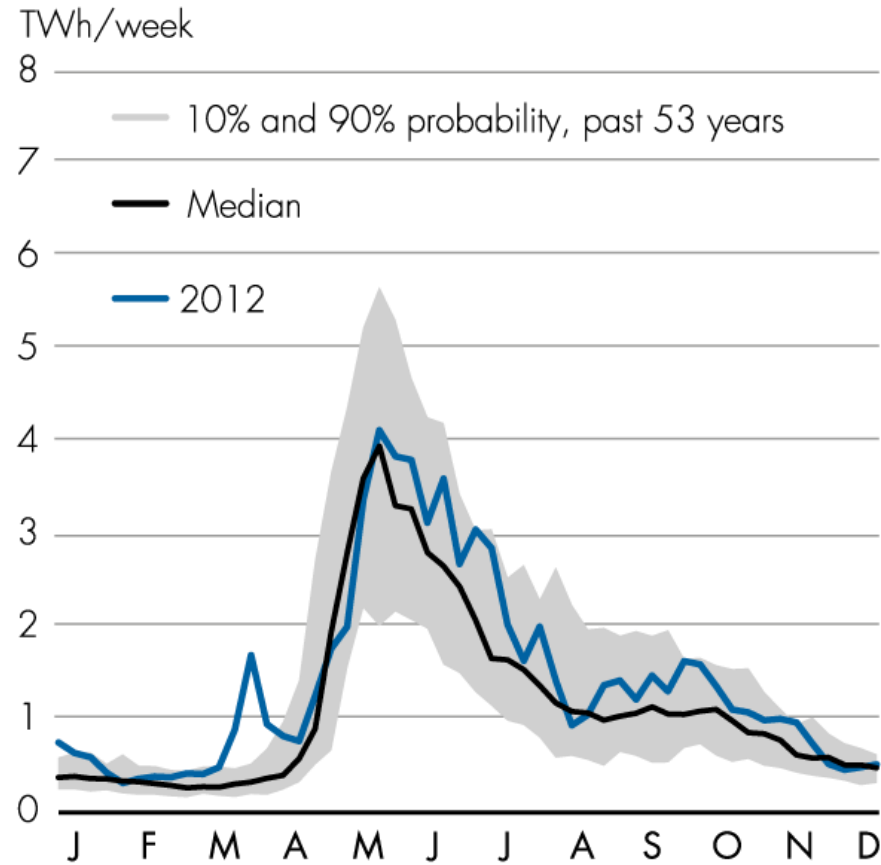
Source: Swedenergy

Runoff variations in relation to median value 1960–2012



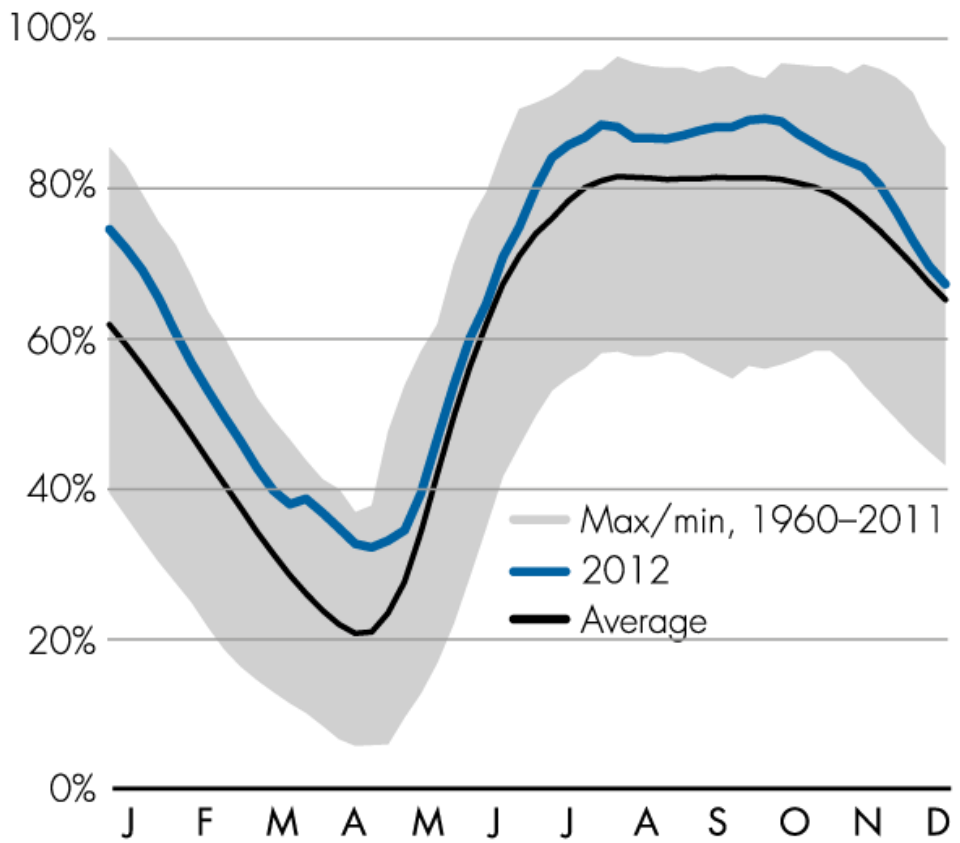
Source: Swedenergy

Runoff variations in the power-generating rivers



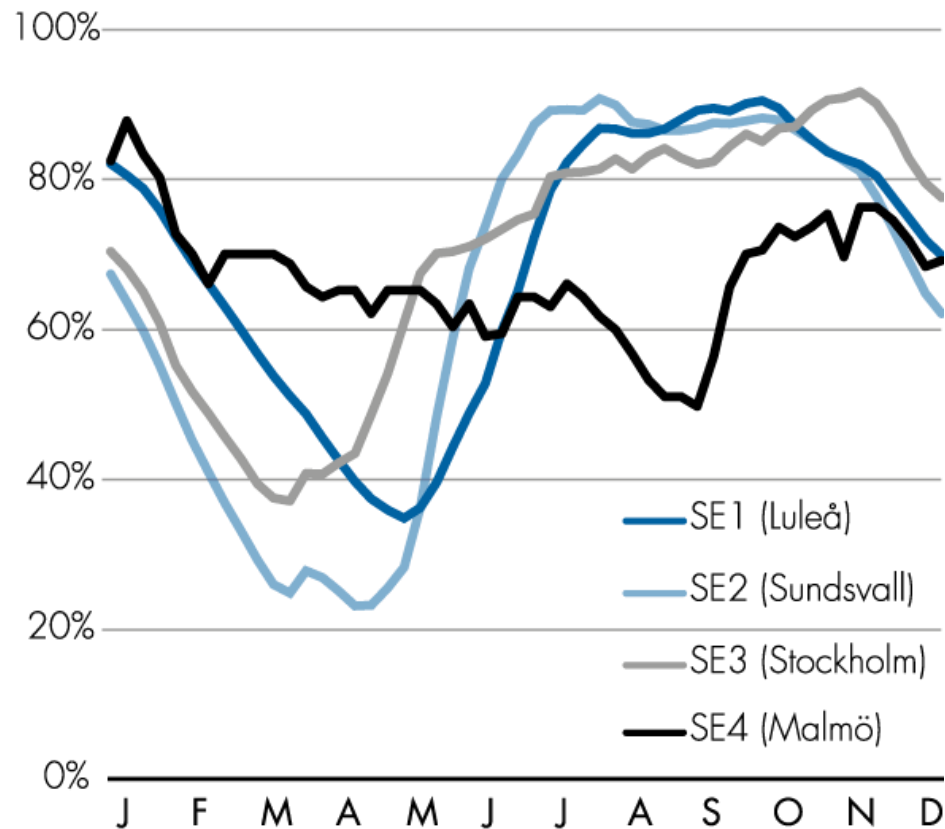
Source: Swedenergy

Storage levels in the regulating reservoirs



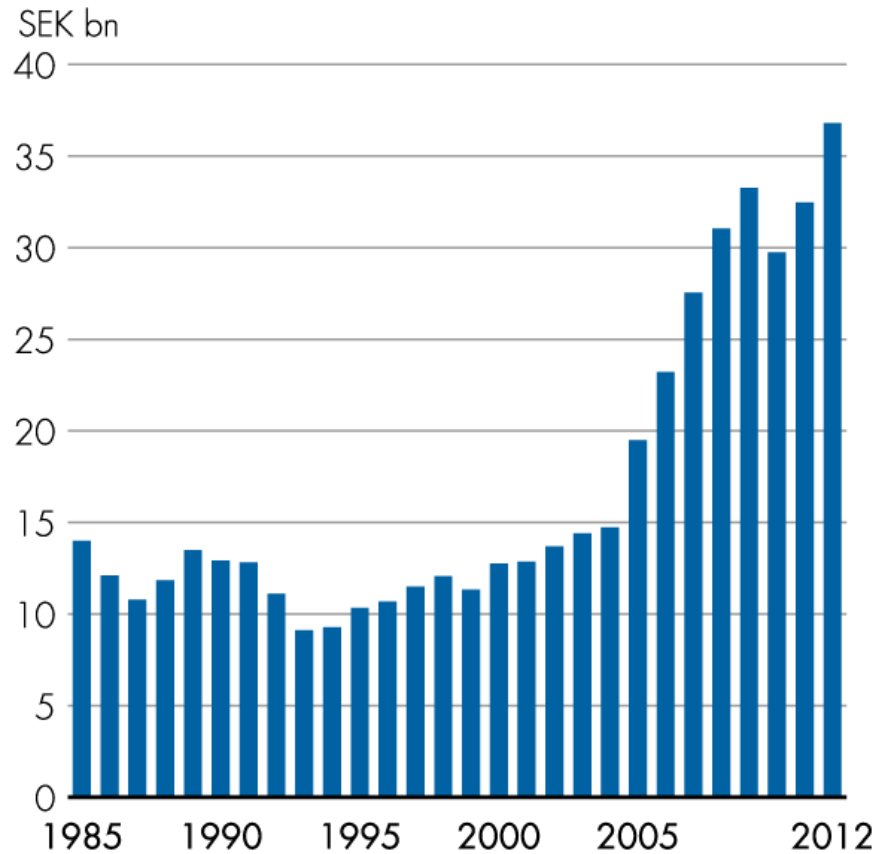
Source: Swedenergy

Storage levels in the regulating reservoirs in 2012 by bidding areas



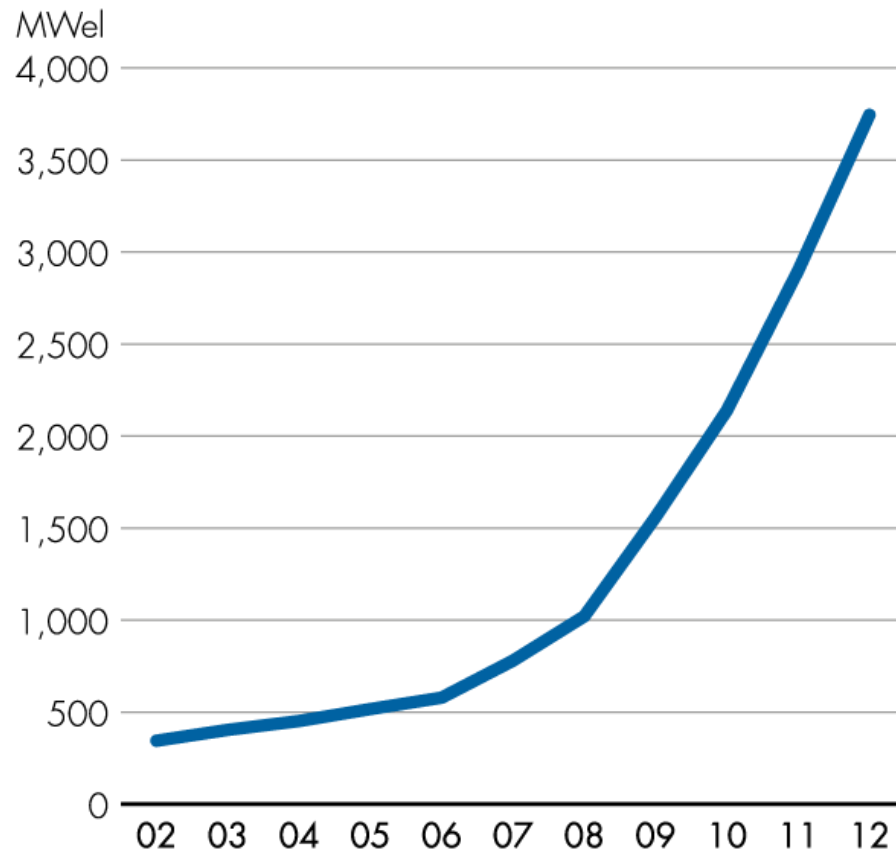
Source: Swedenergy

Energy industry gross investment in current prices



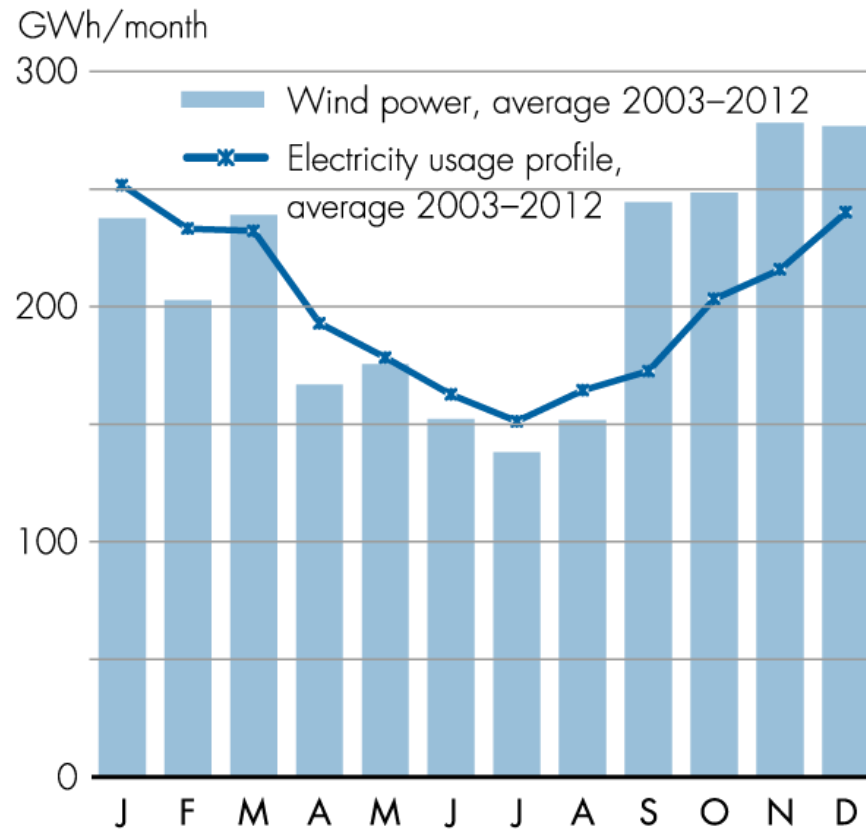
Source: Statistics Sweden

Installed wind power capacity in MW for the past 11 years



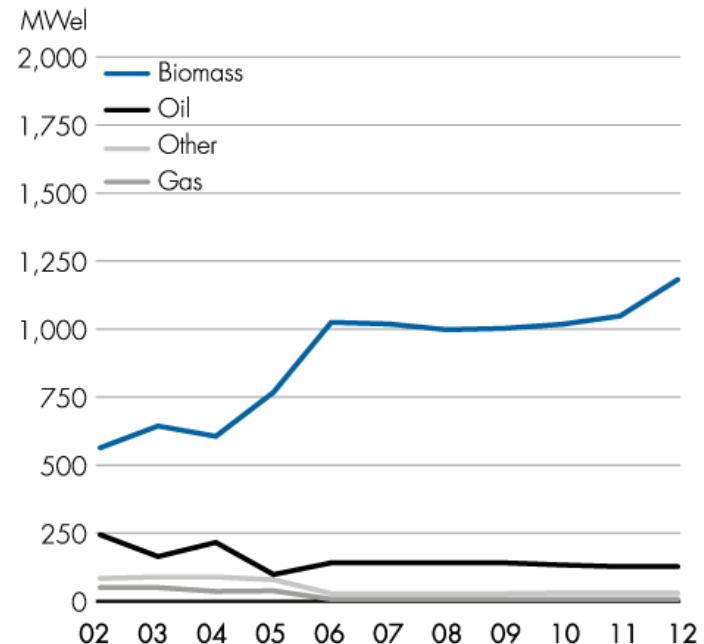
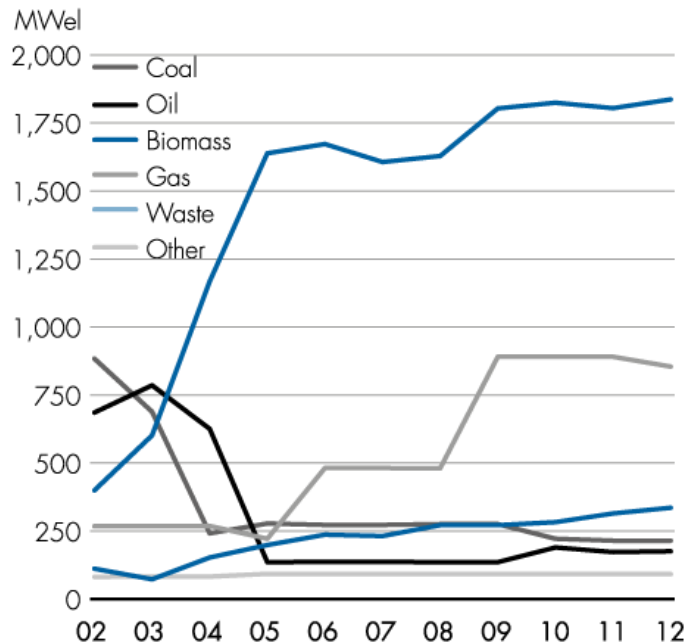
Source: Swedenergy

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



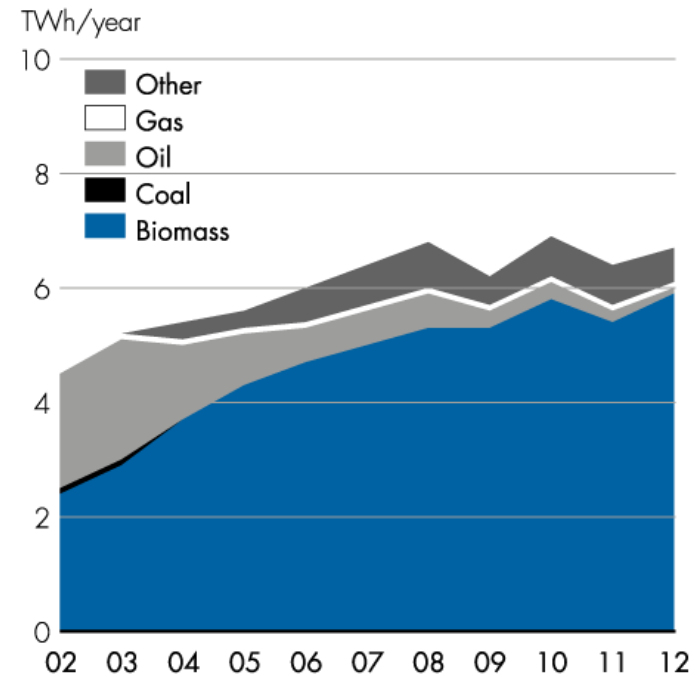
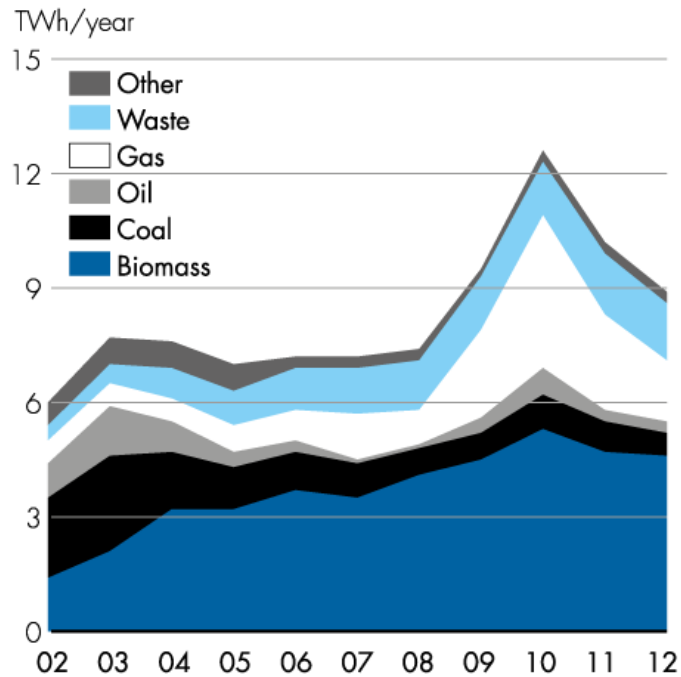
Source: Swedenergy

Installed power generation capacity in cogeneration district heating (at left) and industrial back-pressure plants 2002–2012



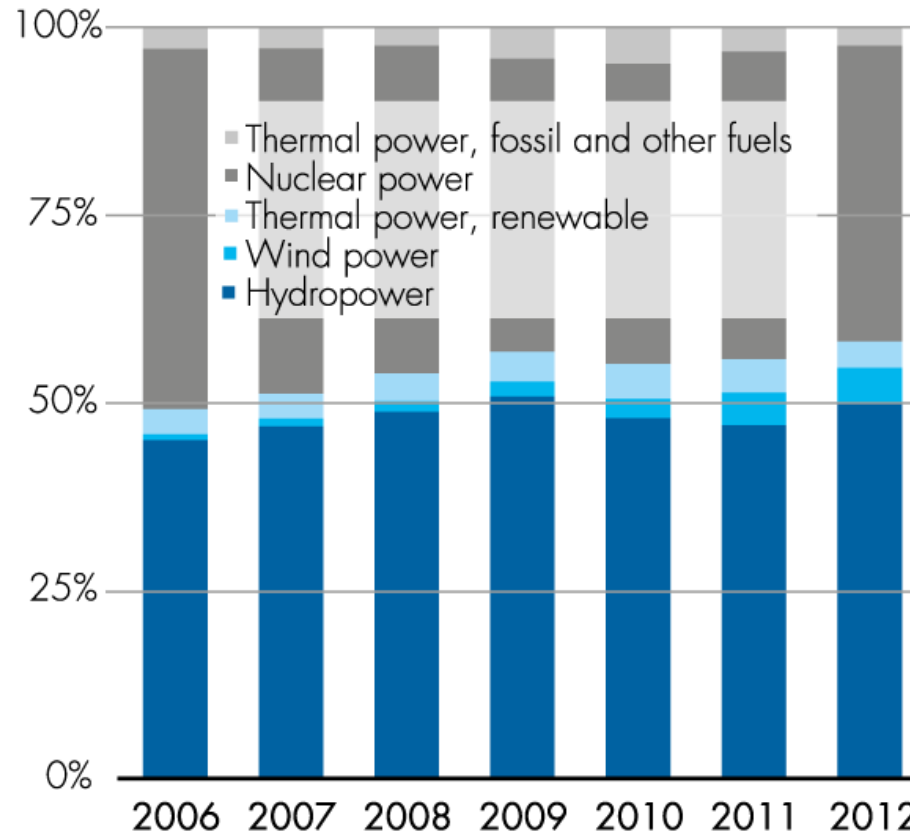
Source: Swedenergy

Power production by fuel type in cogeneration district heating and industrial back-pressure plants 2002–2012



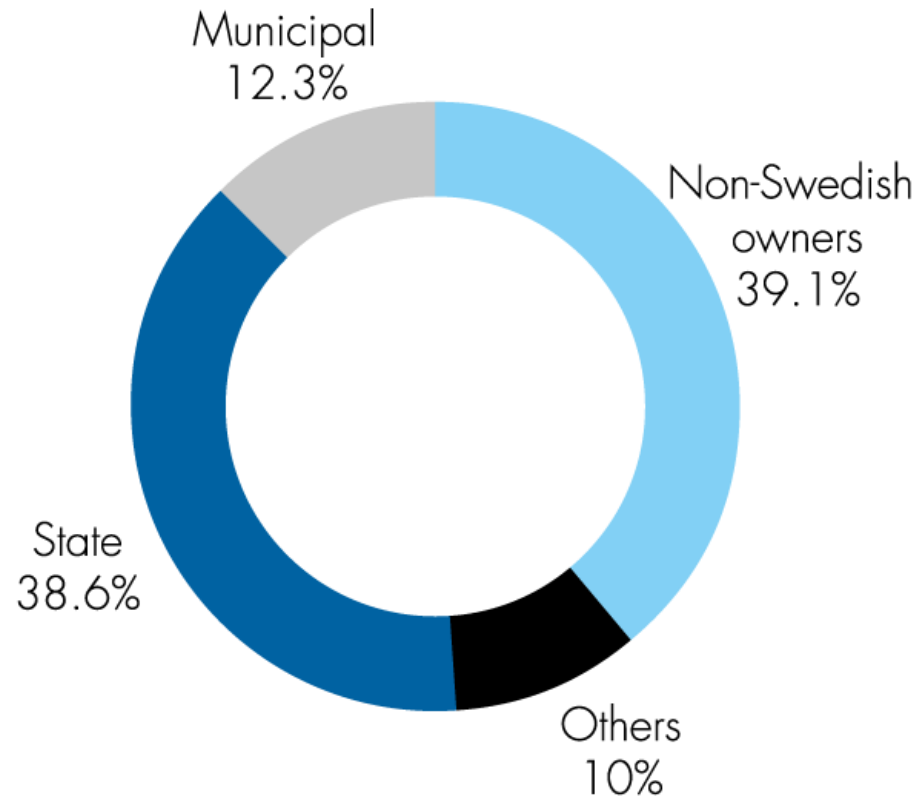
Source: Swedenergy

Development of renewable electricity generation 2006–2012



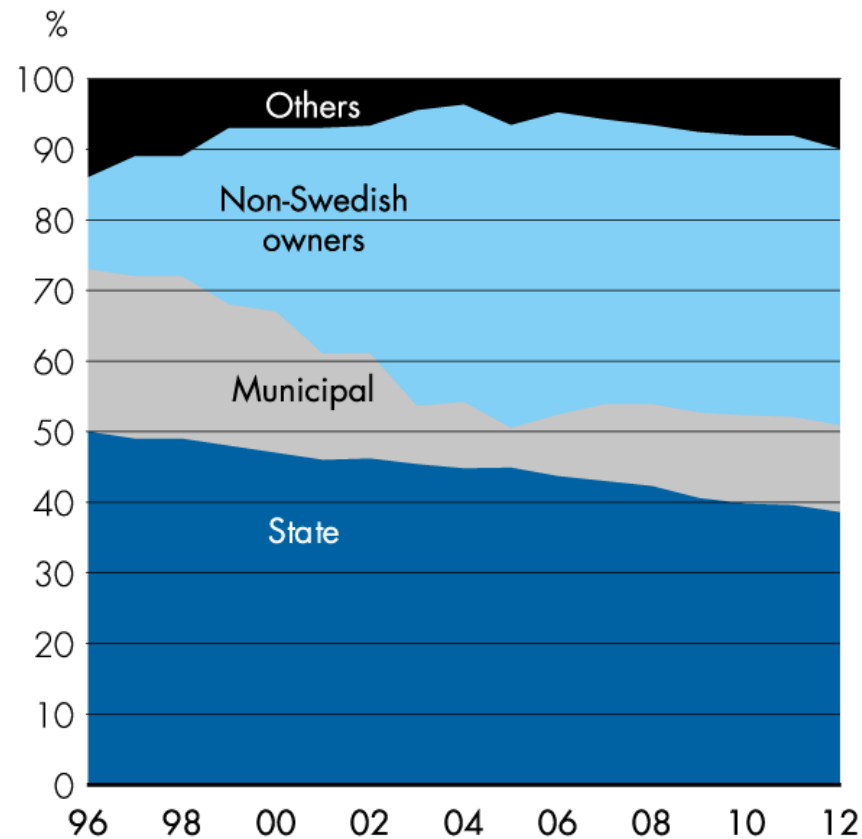
Source: Swedenergy

Ownership of generation capacity, values for 2012



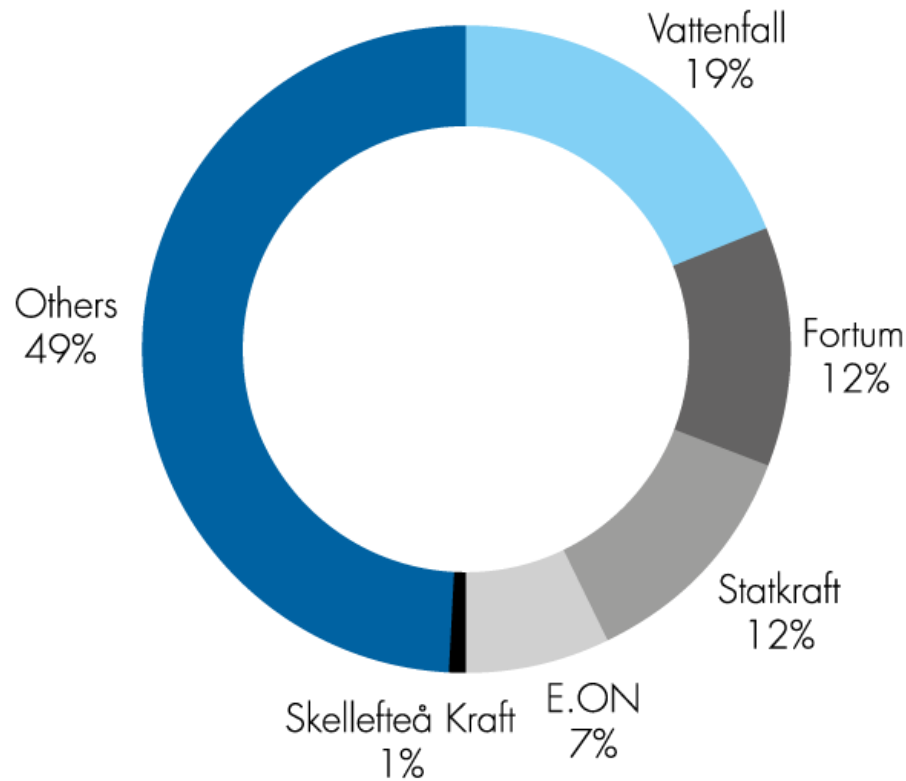
Source: Swedenergy

Changes in ownership of electricity generation 1996–2012



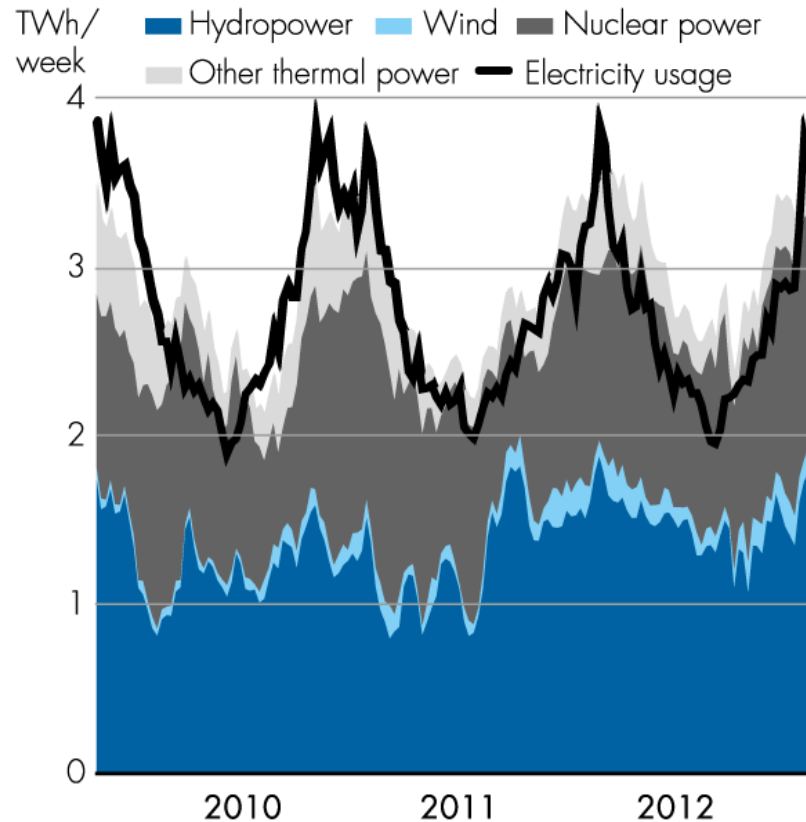
Source: Swedenergy

Five largest electricity producers in Sweden – production in Nordic region in 2012



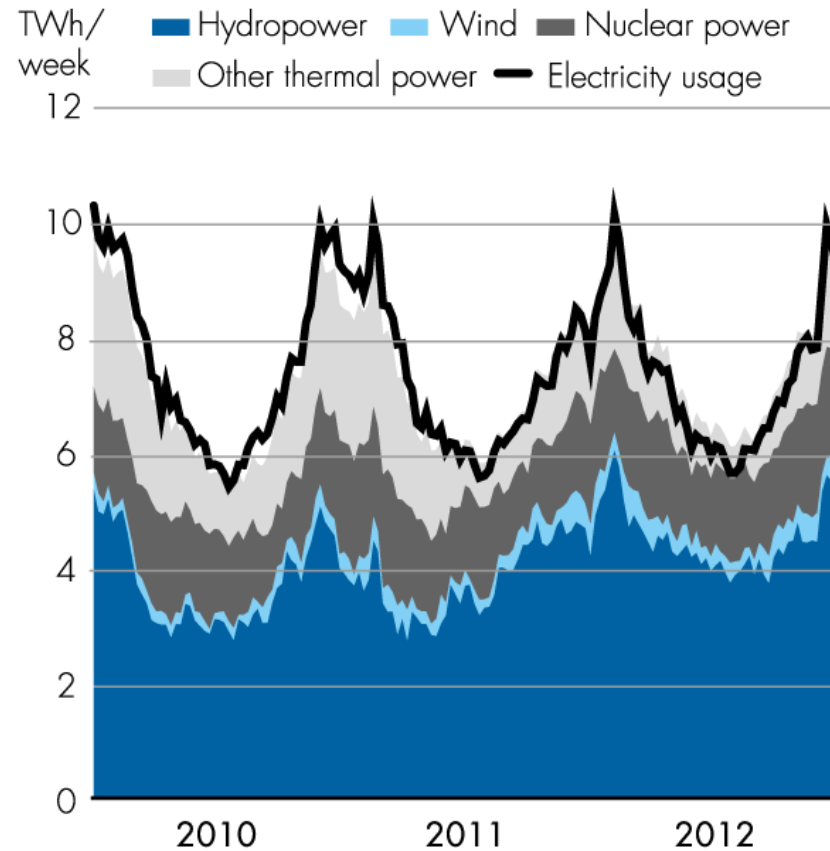
Source: Swedenergy

Electricity generation and usage in Sweden 2010–2012, TWh per week



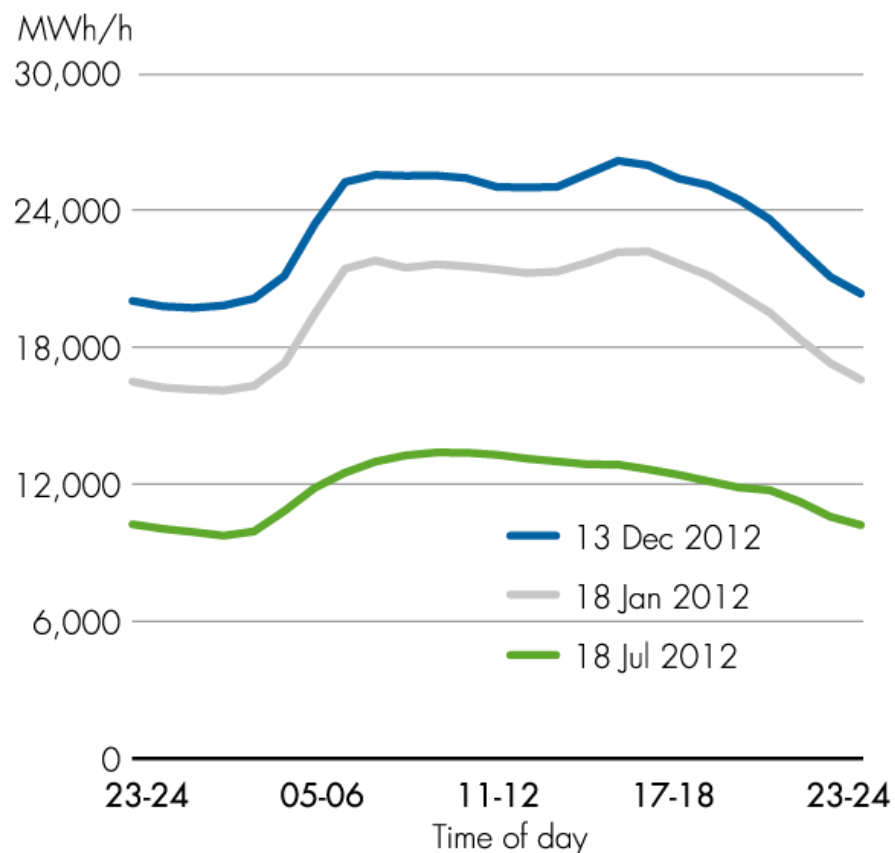
Source: Swedenergy

Electricity generation and usage in Nordic region 2010–2012, TWh per week



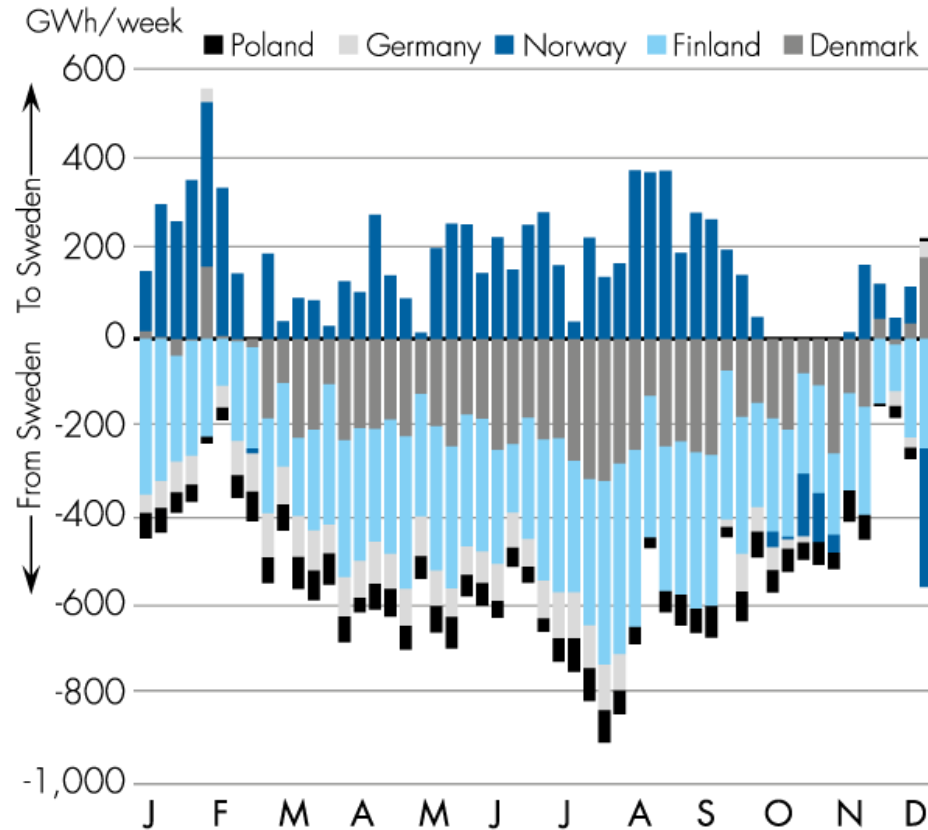
Source: Nord Pool

Hourly load profile for electricity usage with peak demand in 2012 and typical 24-hour period in winter and summer



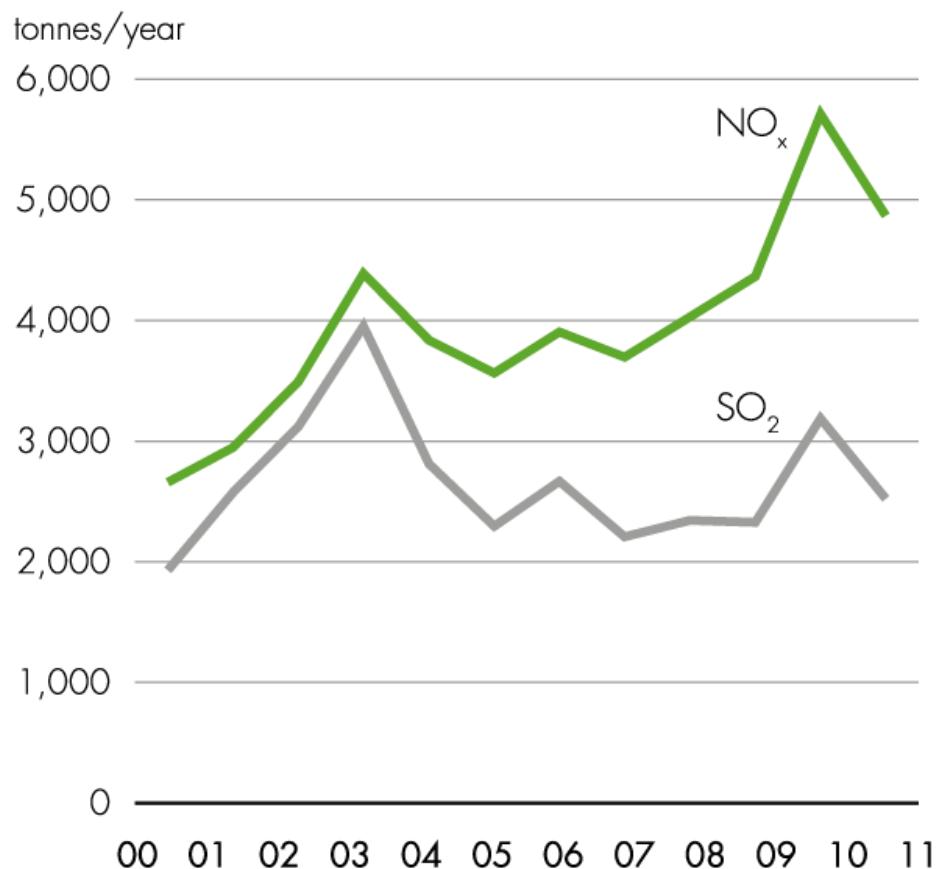
Sources: Svenska Kraftnät, Swedenergy

Net flow of electricity to and from Sweden per country in 2012, GWh per week



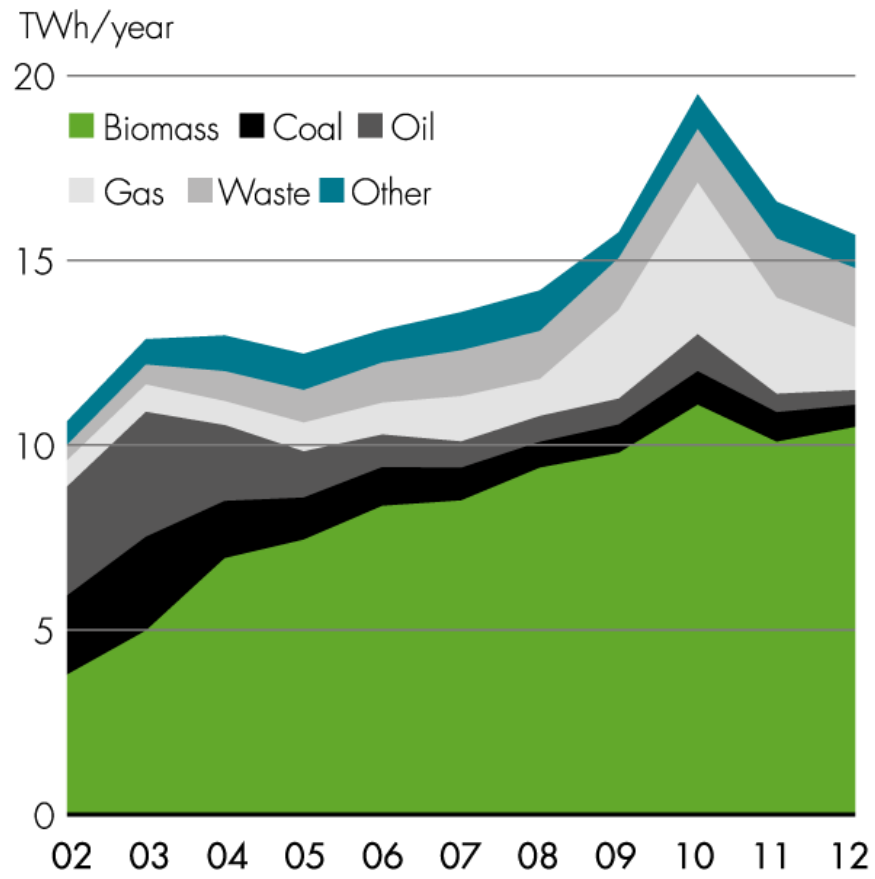
Source: Svenska Kraftnät

Airborne emissions of NO_x and SO₂ from electricity production 2000–2011, tonnes per year



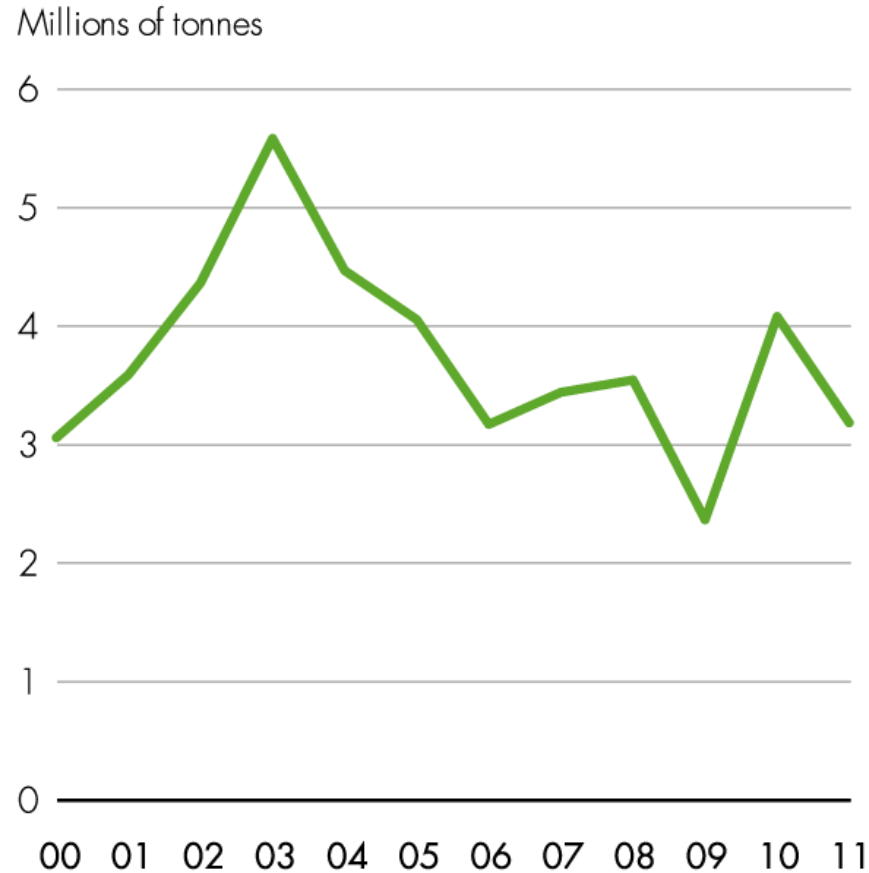
Sources: Statistics Sweden, Swedish Environmental Protection Agency, Swedenergy

Electricity production in CHP plants, TWh



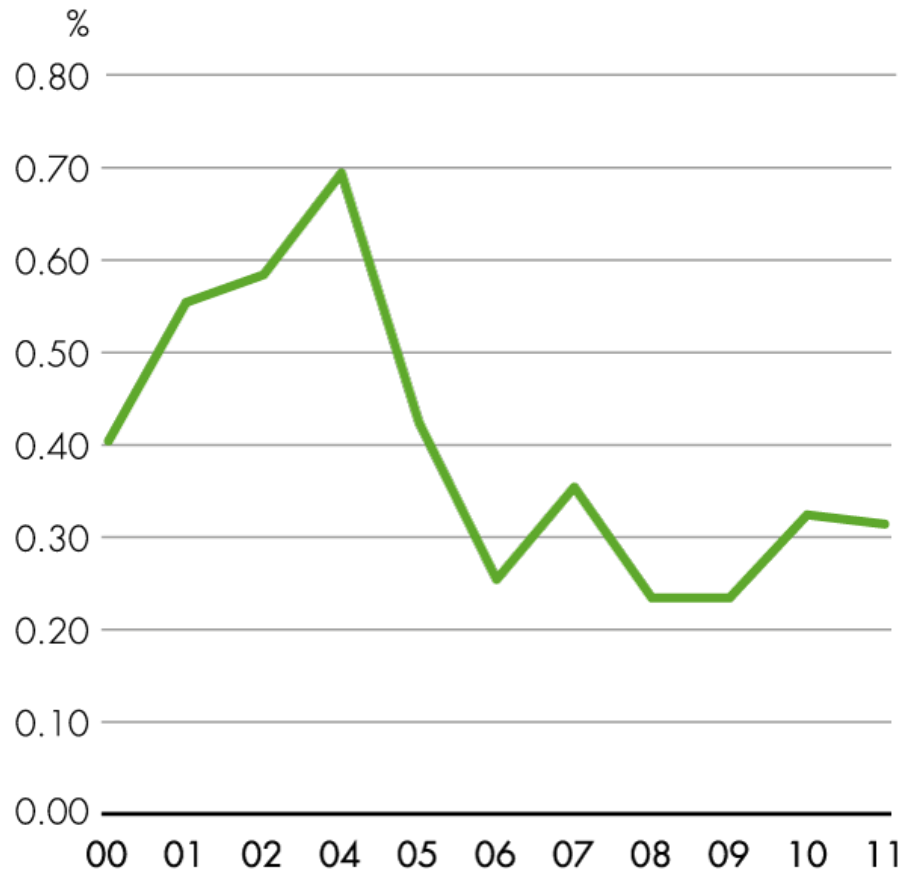
Source: Swedenergy

Airborne emissions of CO₂ from electricity production in 2000–2011



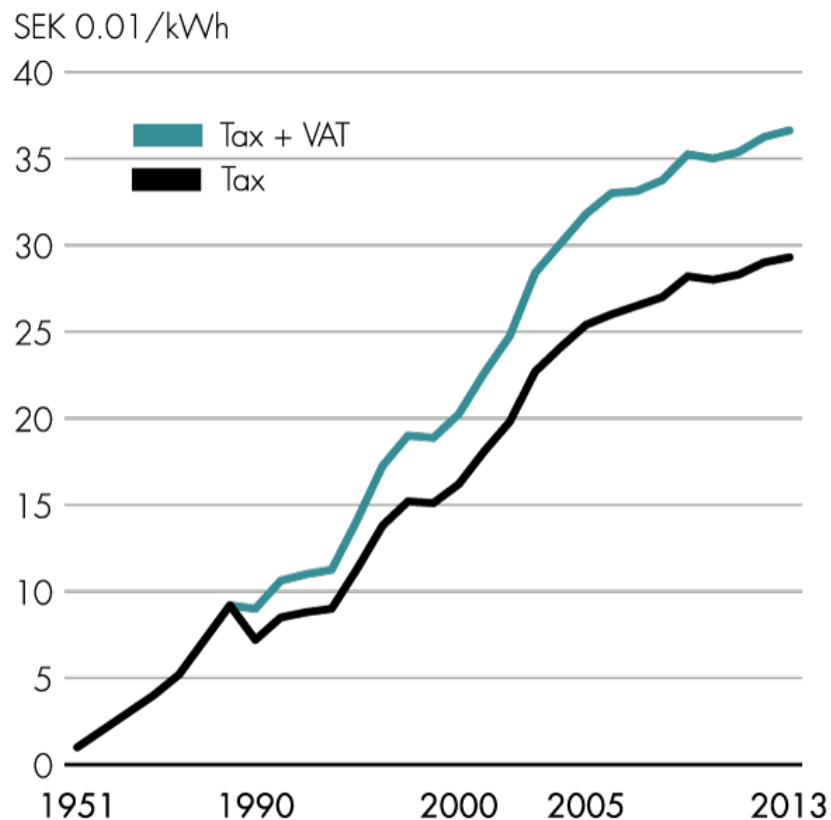
Sources: Statistics Sweden, Swedish Environmental Protection Agency, Swedenergy

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



Source: Swedenergy

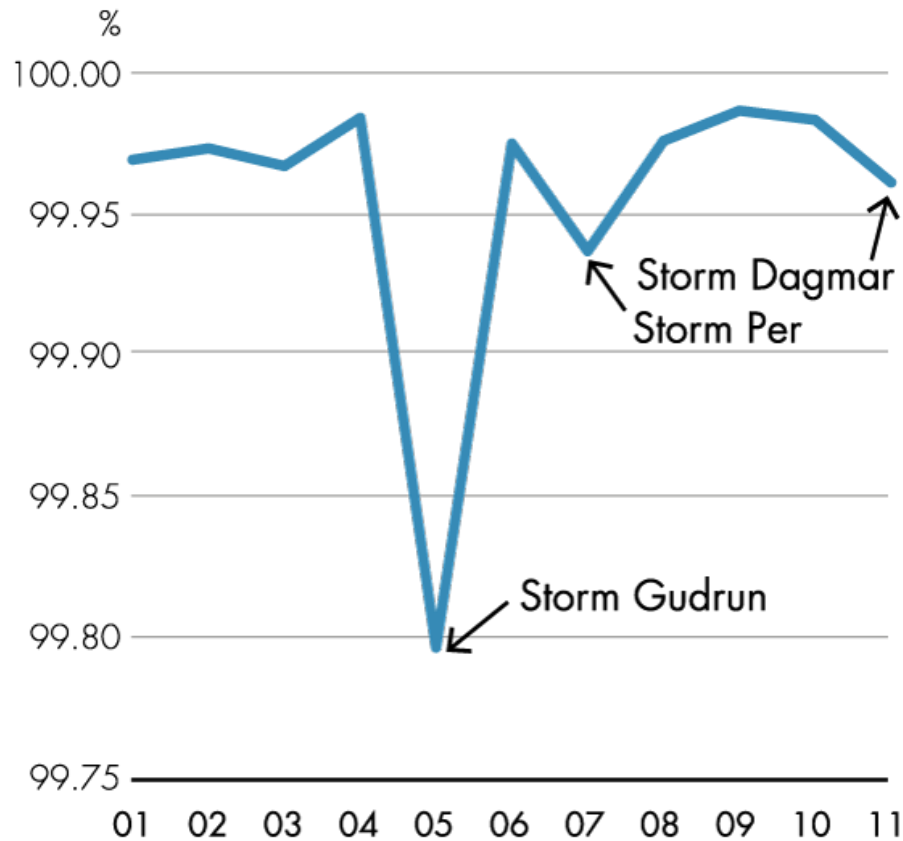
Development of electricity tax* (energy tax on electricity) since 1951



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

Sources: Statistics Sweden, Swedish Energy Agency

Delivery reliability in the Swedish electricity networks



Source: Swedenergy