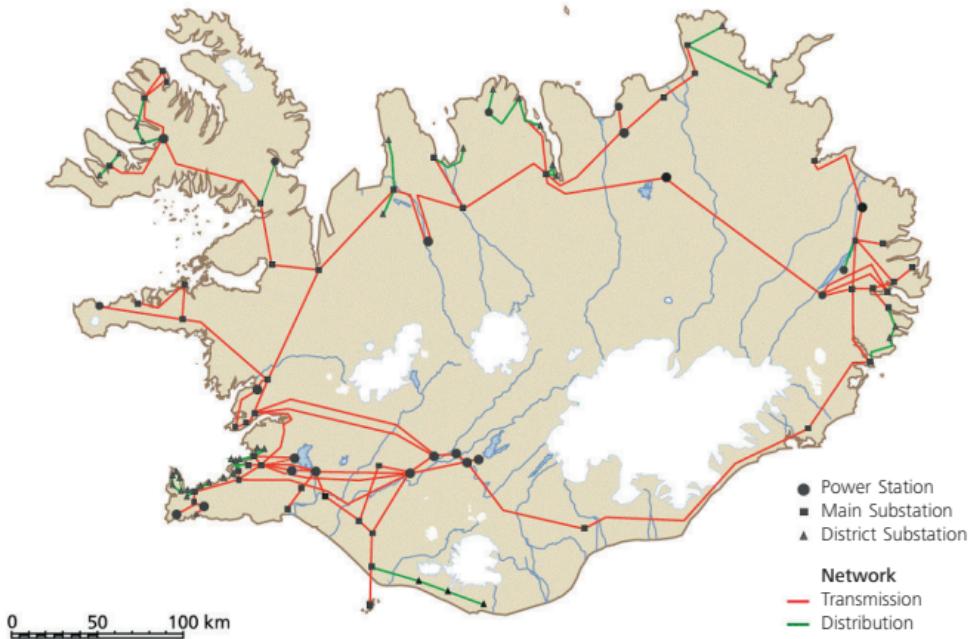




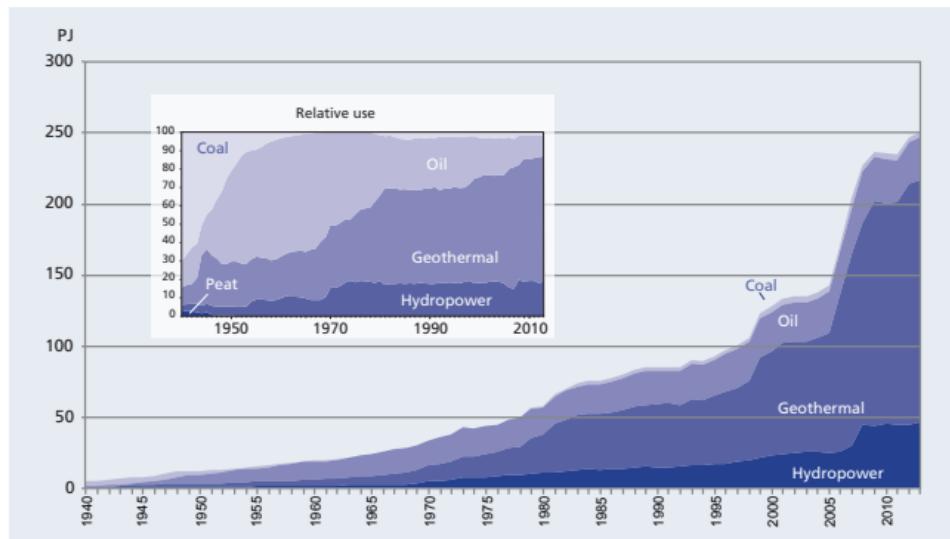
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ENERGY STATISTICS
IN ICELAND
2013

Electricity network



Primary energy use in Iceland 1940–2013



Generation of electricity in Iceland 2013 and 2012

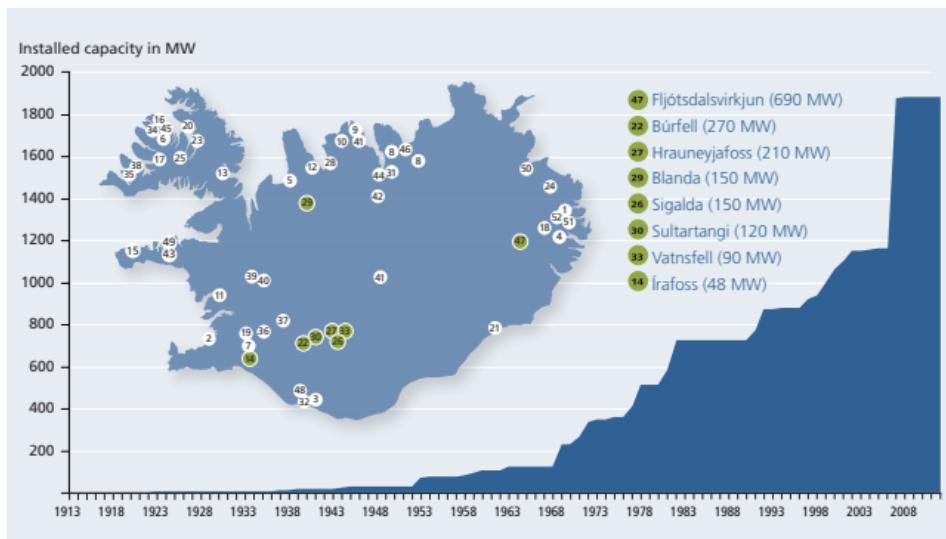
Installed capacity in power plants

	2013		2012	
	MW	%	MW	%
Hydro	1.986	71,8	1.885	70,7
Geothermal	665	24	665	25
Fuel	114	4,1	115	4,3
Wind	2	0,1	0	0
Total	2.767	100	2.665	100

Electricity production

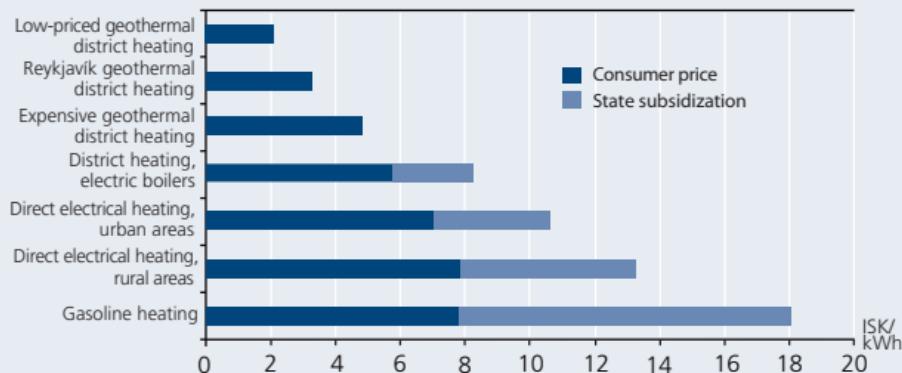
	2013		2012	
	GWh	%	GWh	%
Hydro	12.863	71	12.337	70,3
Geothermal	5.245	29	5.210	29,7
Fuel	3	0	3	0
Wind	5	0	0	0
Total	18.116	100	17.550	100

Installed capacity in hydro power plants

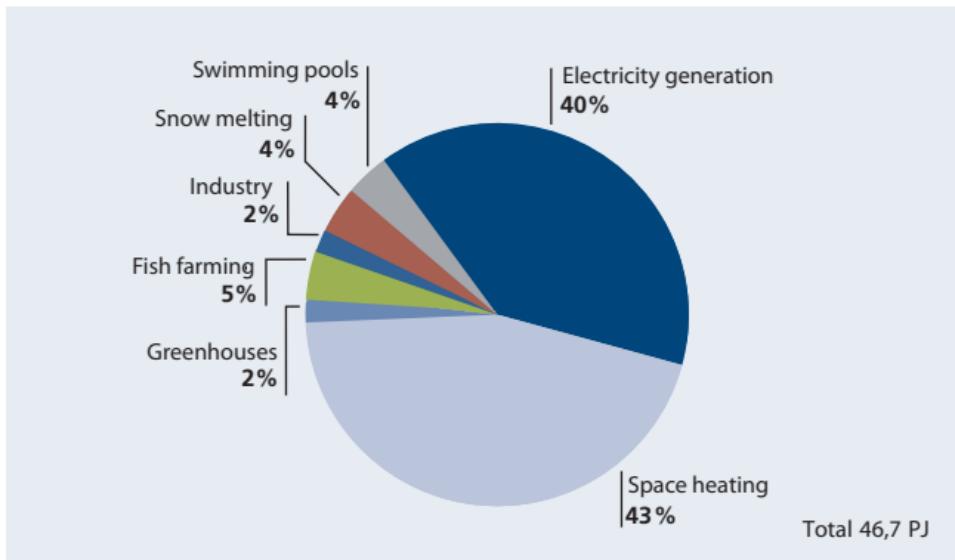


The numbered dots in the picture show the main hydro power plants in Iceland. The largest are specified (green dots).

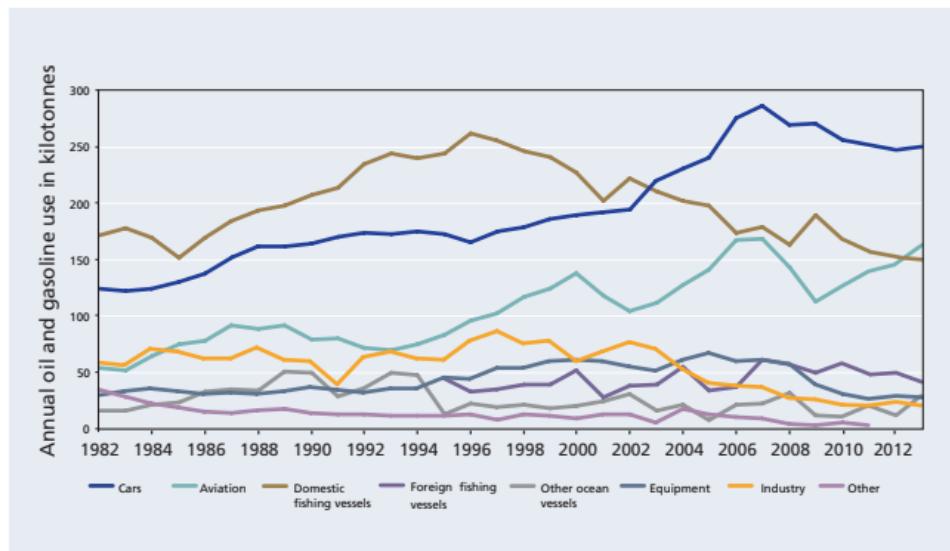
Comparison of energy prices for residential heating mid year 2013



Utilisation of geothermal energy 2013



Oil consumption in Iceland 1982–2013



Units of power and energy

The International System of Units (SI) is the system of measurement used in Iceland.
The basic and customary units for power and energy are:

	Energy	Power
Basic unit	Joule (J)	Watt (W)
Customary unit	Watt hour (Wh)	-

The prefixes for multiples of units in the SI system are:

Prefix	Abbreviations	Multiple of base unit
Exa	E	10^{18}
Peta	P	10^{15}
Tera	T	10^{12}
Giga	G	10^9
Mega	M	10^6
Kilo	k	10^3

Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp, or ton of oil equivalent, toe. The same prefixes are used, e.g. ktoe and Gtoe.

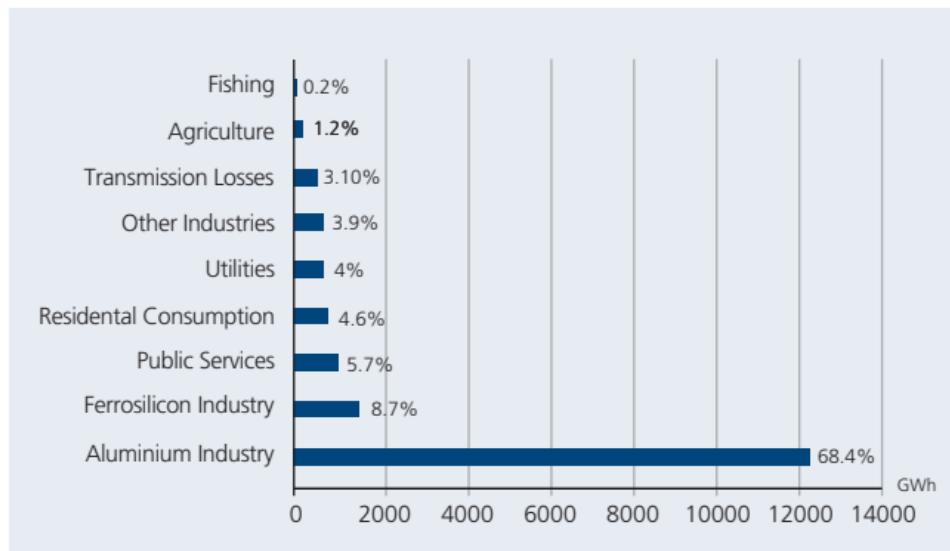
$$1 \text{ hp} = 0,75 \text{ kW}$$

$$1 \text{ toe} = 41,9 \text{ GJ}$$

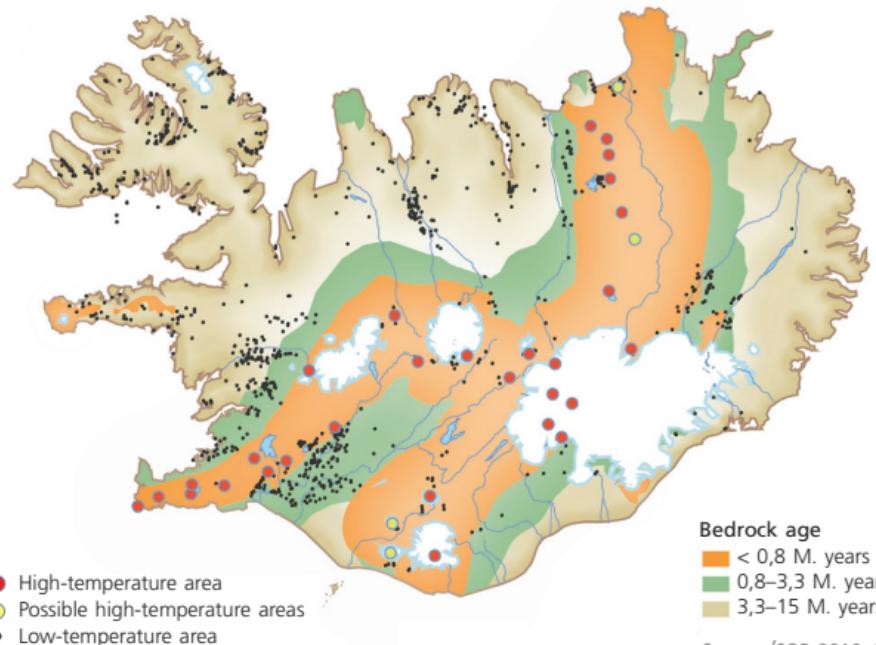
$$1 \text{ Wh} = 3,6 \text{ kJ}$$

$$1 \text{ PJ} = 0,278 \text{ TWh}$$

Electricity consumption 2013



Geothermal fields

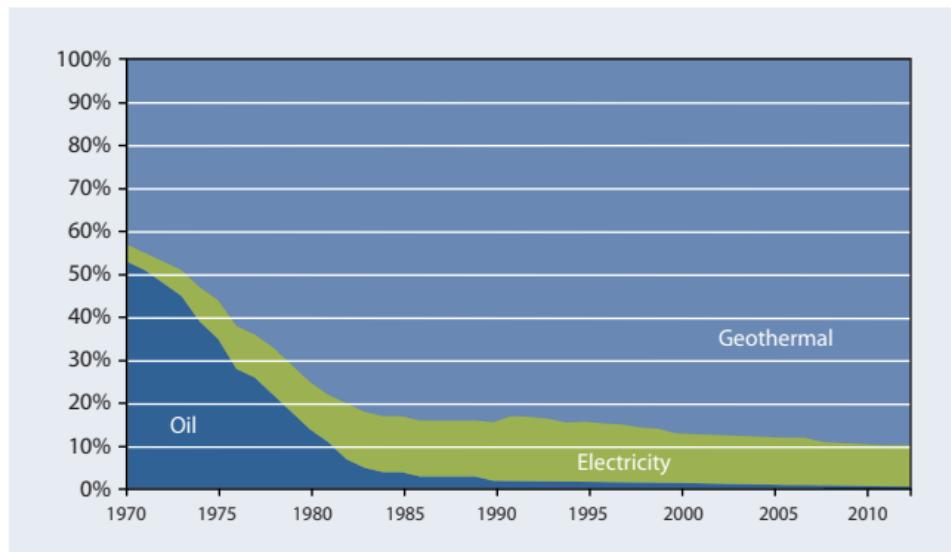


Bedrock age

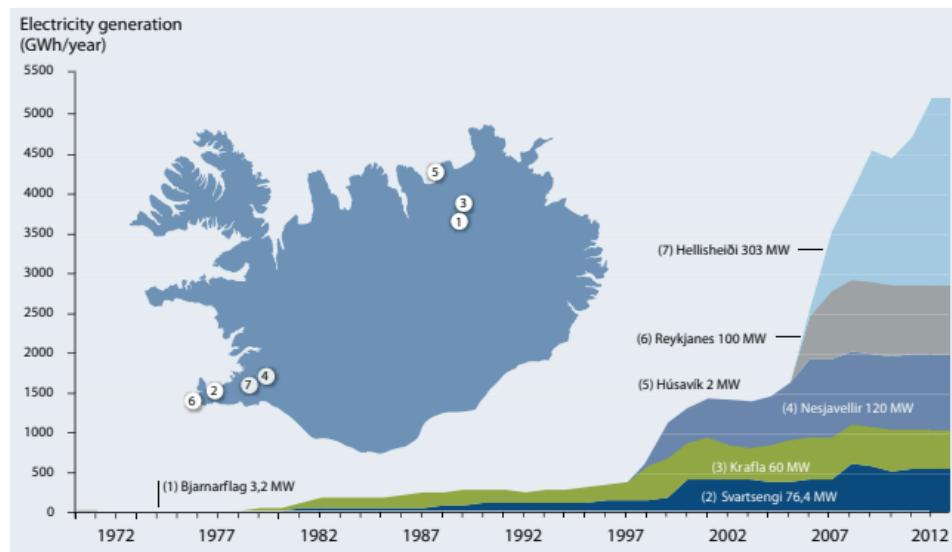
- < 0,8 M. years
- 0,8–3,3 M. years
- 3,3–15 M. years

Source: ÍSOR 2010: KS/HJO

Space heating 1970–2013



Generation of electricity – geothermal energy





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Energy Statistics in Iceland 2013

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