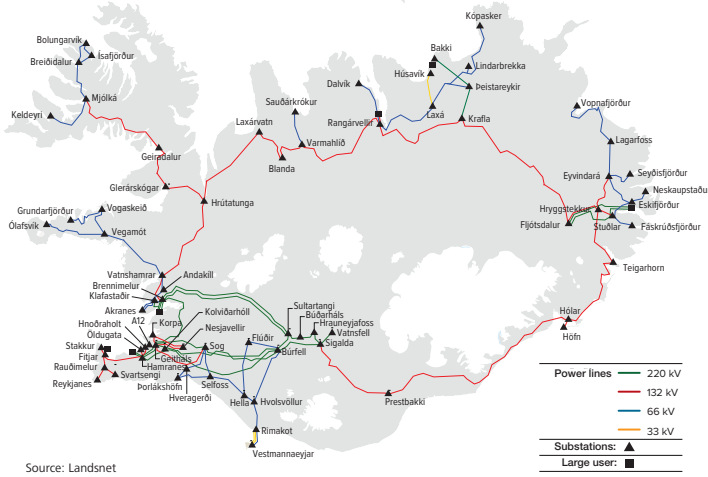
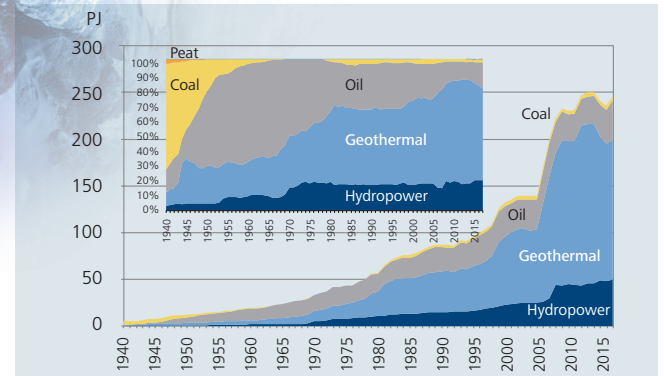


Main electricity transmission grid in Iceland



Primary energy use in Iceland 1940-2017



Source: OS-2018-T009-01

Installed capacity, electricity production and consumption 2015-2017

Installed capacity in power plants	2017		2016		2015	
	MW	%	MW	%	MW	%
Hydro	1.984	71,7	1.985	72,7	1.986	71,7
Geothermal	708	25,6	663	24,3	665	24,0
Fuel	72	2,6	81	2,9	117	4,2
Wind	3	0,1	3	0,1	3	0,1
Total	2.767	100	2.732	100	2.771	100

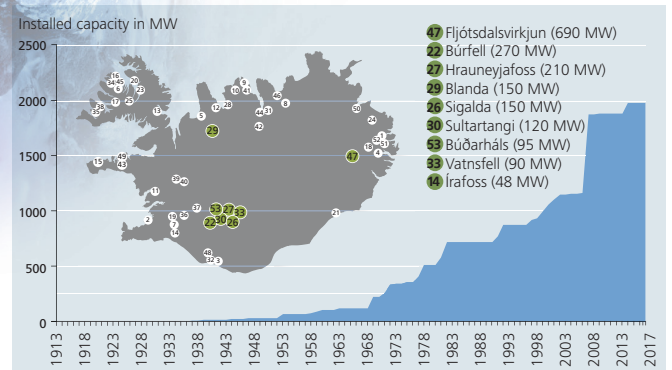
Electricity production	2017		2016		2015	
	GWh	%	GWh	%	GWh	%
Hydro	14.059	73,1	13.470	72,6	13.780	73,3
Geothermal	5.170	26,9	5.067	27,3	5.003	26,6
Fuel	2	0,01	2	0,01	4	0,02
Wind	8	0,04	9	0,05	11	0,06
Total	19.239	100	18.549	100	18.798	100

Electricity consumption	2017		2016		2015	
	GWh	%	GWh	%	GWh	%
General use*	3.397	17,7	3.242	17,5	3.434	18,3
Heavy industry*	14.870	77,3	14.334	77,3	14.356	76,4
Losses&use-power plants*	375	2,0	427	2,3	432	2,3
Distribution losses*	223	1,2	185	1,0	207	1,1
Transmission losses*	373	1,9	361	1,9	370	2,0
Total	19.239	100	18.549	100	18.799	100

* Estimated 2017

Source: OS-2018-T006-01

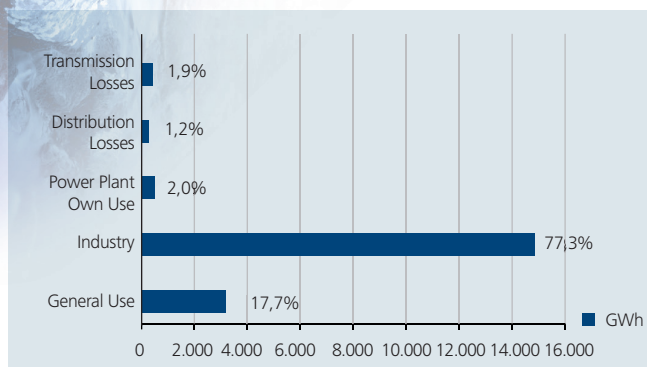
Installed capacity in hydro power plants 1913-2017



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

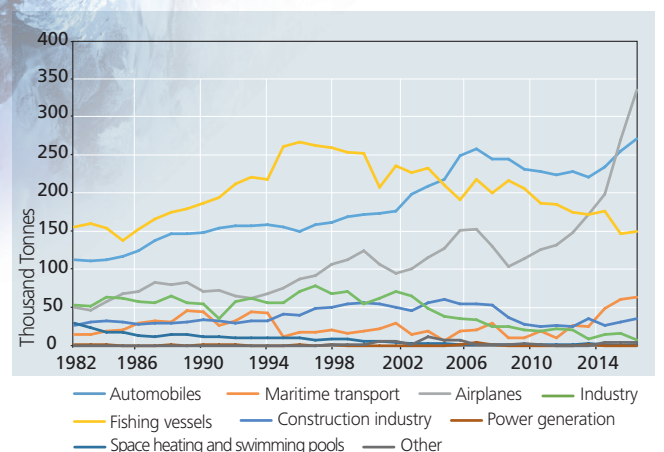
Source: Orkustofnun

Electricity consumption 2017



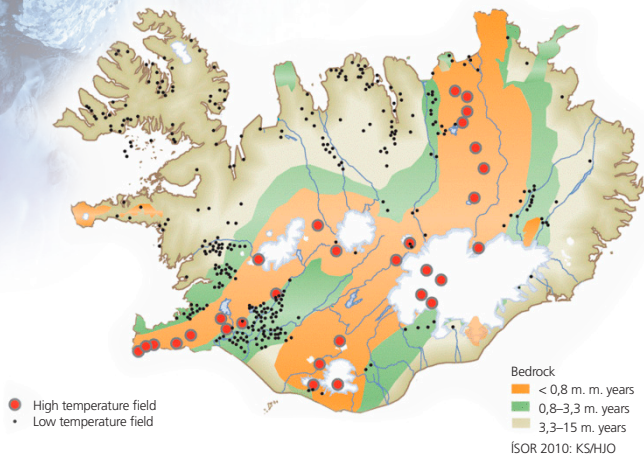
Source: Orkustofnun

Oil consumption in Iceland 1982-2017



Source: OS-2018-T007-01

Geothermal fields



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 (MWh)	-

W: James Watt (1736-1819)

J: James Prescott Joule (1818-1889)

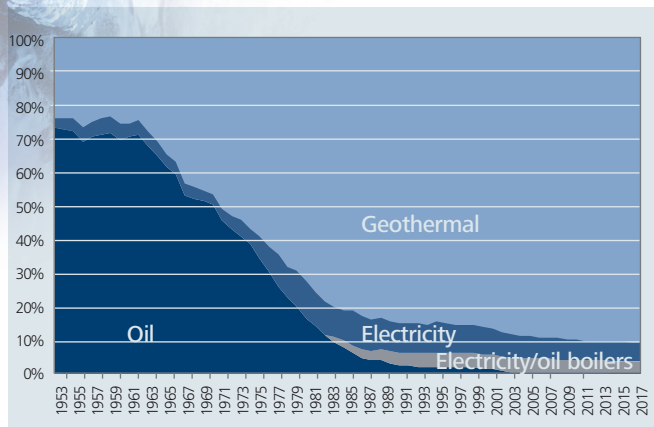
The prefixes for multiples of units in the SI system are:

Exa	E	10^{18}
Peta	P	10^{15}
Tera	T	10^{12}
Giga	G	10^9
Mega	M	10^6
Kiló	k	10^3

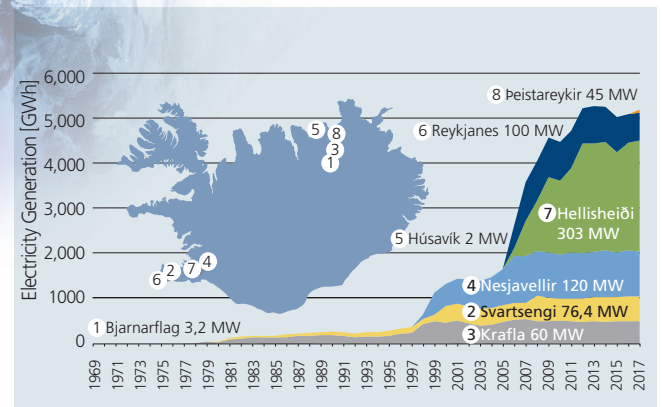
Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp, or ton of oil equivalent, toe. The same prefixes are used, e.g. ktoe and Gtoe.

1 horsepower = 0,75 kW
 1 toe = 41,9 GJ
 1 Wh = 3,6 kJ
 1 PJ = 0,278 TWh

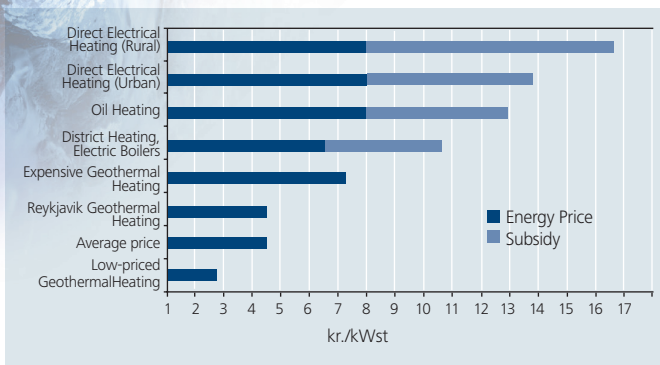
Space heating by energy source



Electricity generation of geothermal power plants 1969-2017



Energy price for space heating in September 2017



Final Heat Use 2017

