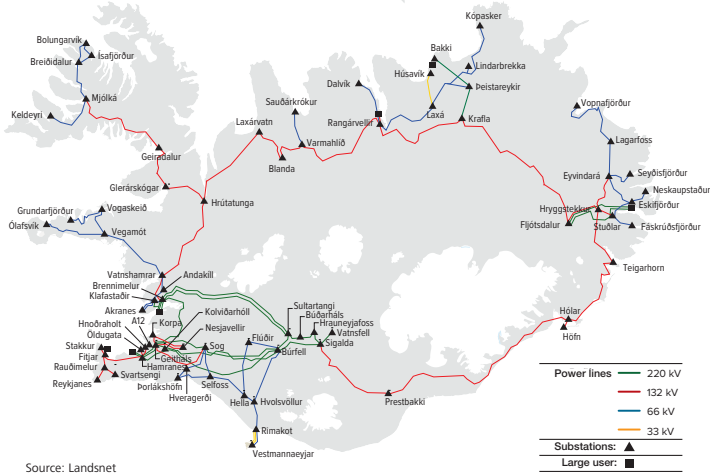
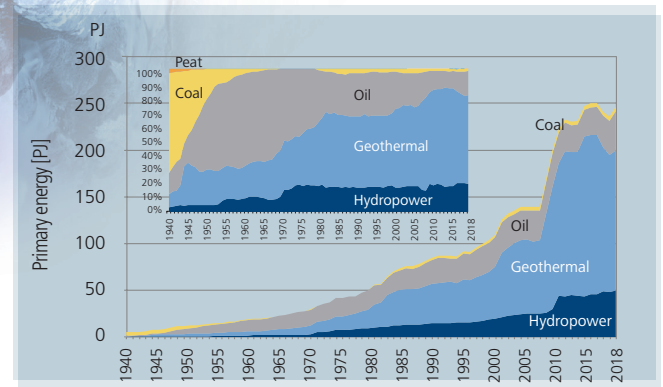


Main electricity transmission grid in Iceland



Source: Landsnet

Primary energy use in Iceland 1940-2018



Source: OS-2019-T003-01

Installed capacity, electricity production and consumption 2015-2018

Installed capacity in power plants	2018		2017		2016	
	MW	%	MW	%	MW	%
Hydro	2.098	71,7	1.984	71,7	1.985	72,7
Geothermal	754	25,8	708	25,6	663	24,3
Fuel	72	2,5	72	2,6	81	3,0
Wind	3	0,1	3	0,1	3	0,1
Total	2.927	100	2.767	100	2.732	100

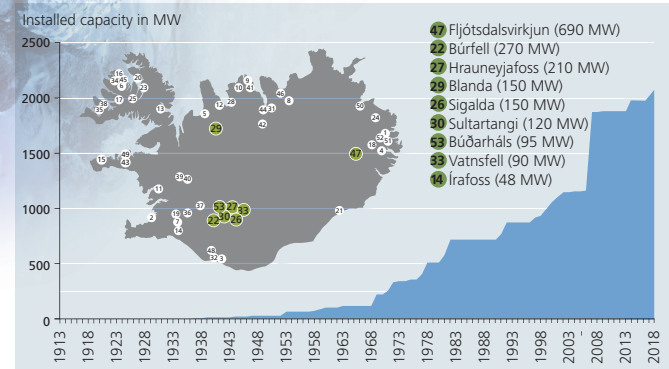
Electricity production	2018		2017		2016	
	GWh	%	GWh	%	GWh	%
Hydro	13.814	69,7	14.059	73,1	13.471	72,6
Geothermal	6.010	30,3	5.170	26,9	5.067	27,3
Fuel	2	0,01	2	0,01	2	0,01
Wind	4	0,02	8	0,04	9	0,05
Total	19.830	100	19.239	100	18.549	100

Electricity consumption	2018		2017		2016	
	GWh	%	GWh	%	GWh	%
General use*	3.558	17,9	3.386	17,6	3.291	17,7
Heavy industry*	15.260	77,0	14.870	77,3	14.334	77,3
Losses&use-power plants*	396	2,0	392	2,0	378	2,0
Distribution losses*	218	1,1	218	1,1	185	1,0
Transmission losses.*	398	2,0	373	1,9	361	1,9
Total	19.830	100	19.239	100	18.549	100

*Estimate 2018

Source: Orkustofnun

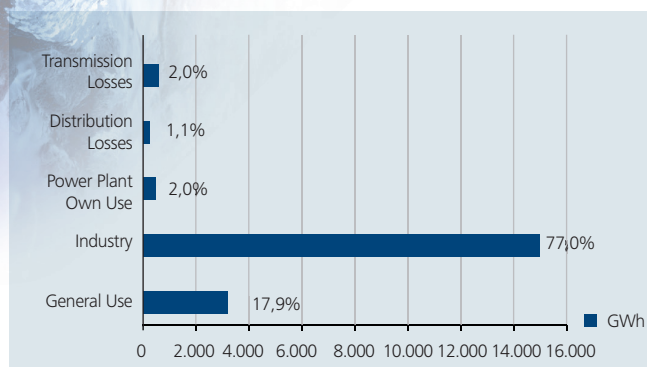
Installed capacity in hydro power plants 1913-2018



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

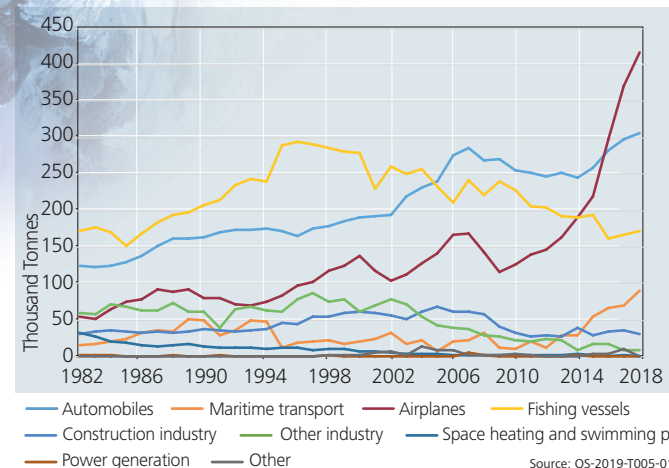
Source: Orkustofnun

Electricity consumption 2018



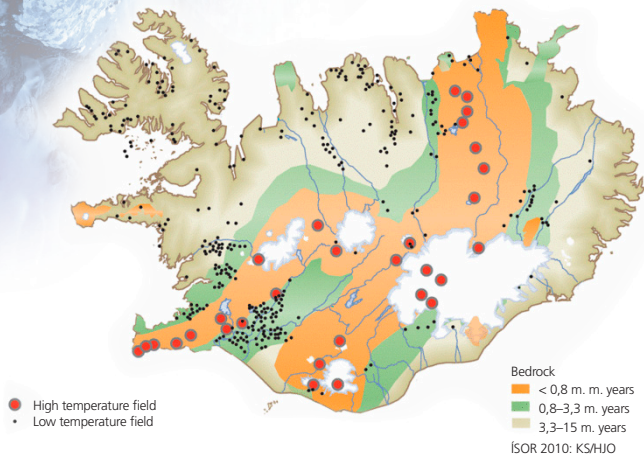
Source: Orkustofnun

Oil consumption in Iceland 1982-2018



Source: OS-2019-T005-01

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)

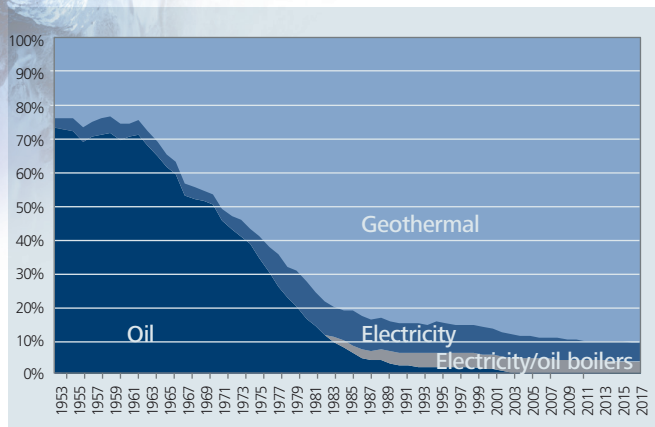
The prefixes for multiples of units in the SI system are:

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

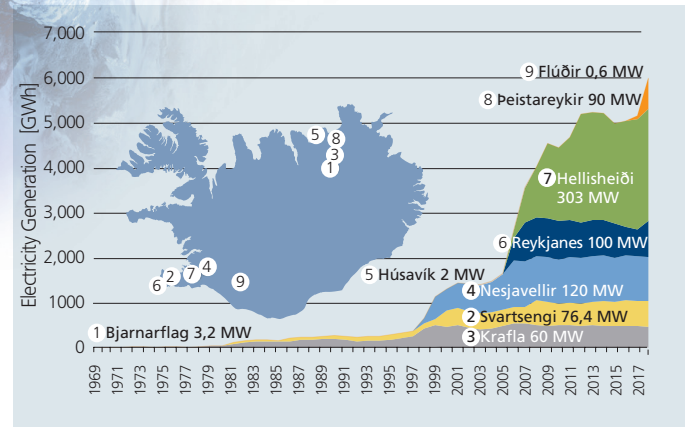
Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp, or ton of oil equivalent, toe. The same prefixes are used, e.g. ktoe and Gtoe.

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

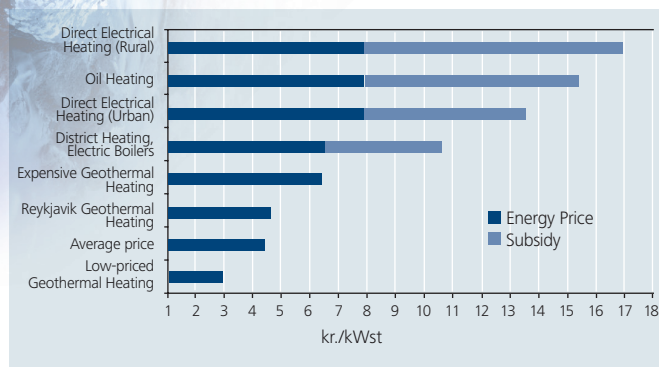
Space heating by energy source



Electricity generation of geothermal power plants 1969-2018



Energy price for space heating in September 2018



Final Heat Use 2017

