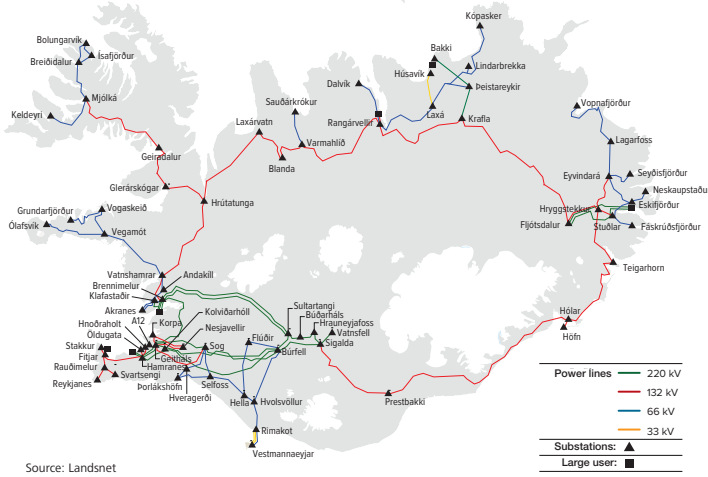
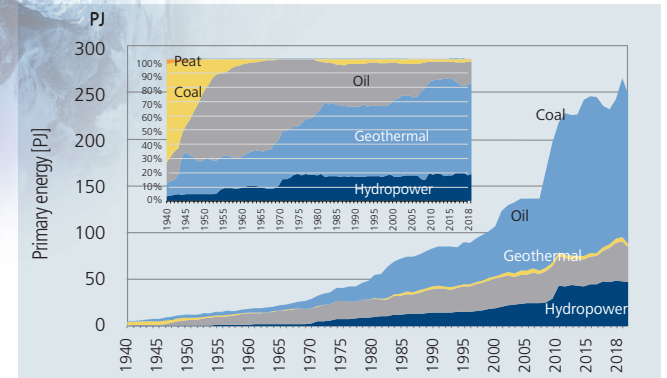


Main electricity transmission grid in Iceland



Primary energy use in Iceland 1940-2019



Orkustofnun Data Repository: OS-2020-T007-01

Installed capacity, electricity production and consumption 2017-2019

Installed capacity in power plants	2019		2018		2017	
	MW	%	MW	%	MW	%
Hydro	2.204	71,6	2.098	71,7	1.984	71,7
Geothermal	799	26,0	754	25,8	708	25,6
Fuel	72	2,3	72	2,5	72	2,6
Wind	3	0,1	3	0,1	3	0,1
Total	3.078	100	2.927	100	2.767	100

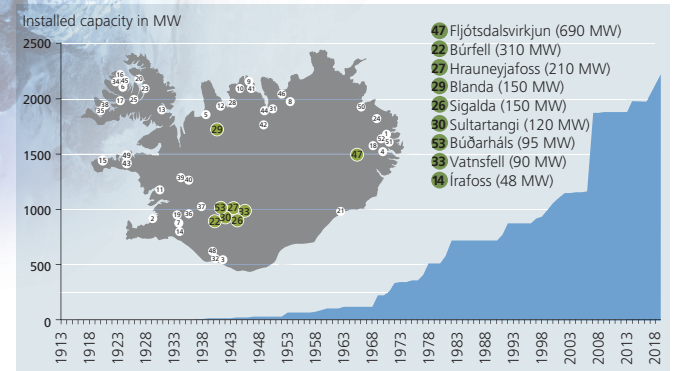
Electricity production	2019		2018		2017	
	GWh	%	GWh	%	GWh	%
Hydro	13.461	69,07	13.814	69,7	14.059	73,1
Geothermal	6.018	30,88	6.010	30,3	5.170	26,9
Fuel	3	0,02	2	0,01	2	0,01
Wind	7	0,04	4	0,02	8	0,04
Total	19.489	100	19.830	100	19.239	100

Electricity consumption	2019		2018		2017	
	GWh	%	GWh	%	GWh	%
General use*	3.485	17,9	3.558	17,9	3.386	17,6
Heavy industry*	15.115	77,6	15.260	77,0	14.870	77,3
Losses & use-power plants*	358	1,8	396	2,0	392	2,0
Distribution losses*	165	0,8	218	1,1	218	1,1
Transmission losses.*	366	1,9	398	2,0	373	1,9
Total	19.489	100	19.830	100	19.239	100

* Estimate 2019

Source: Orkustofnun

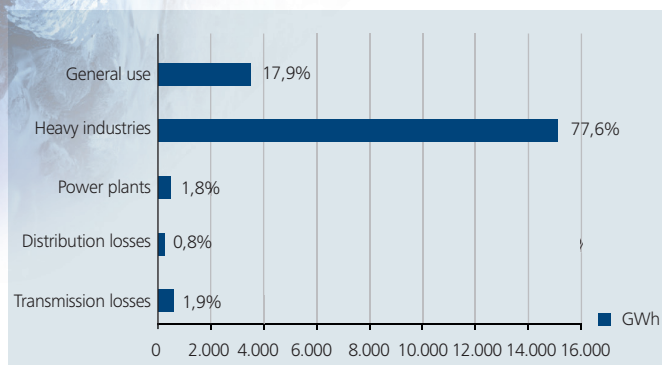
Installed capacity in hydro power plants 1913-2019



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

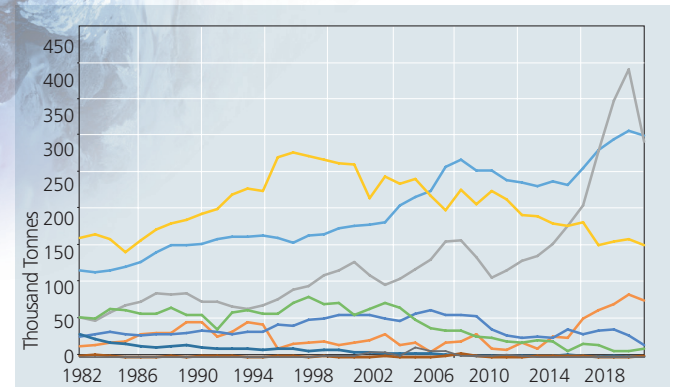
Source: Orkustofnun

Electricity consumption 2019



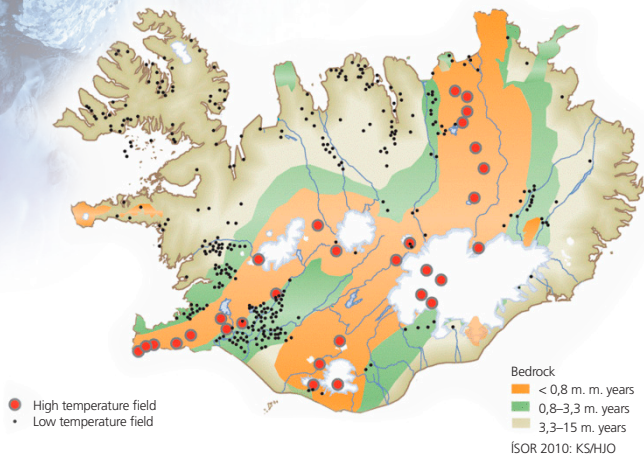
Source: Orkustofnun

Oil consumption in Iceland 1982-2019



Orkustofnun Data Repository: OS-2020-T001-02

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 (Wh)	-

W: James Watt (1736-1819)

J: James Prescott Joule (1818-1889)

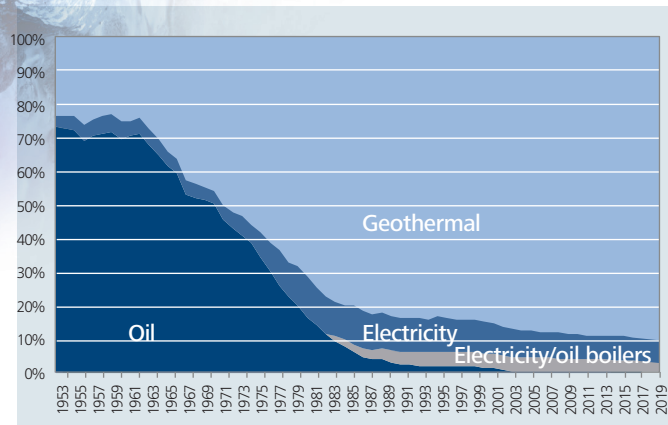
The prefixes for multiples of units in the SI system are:

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

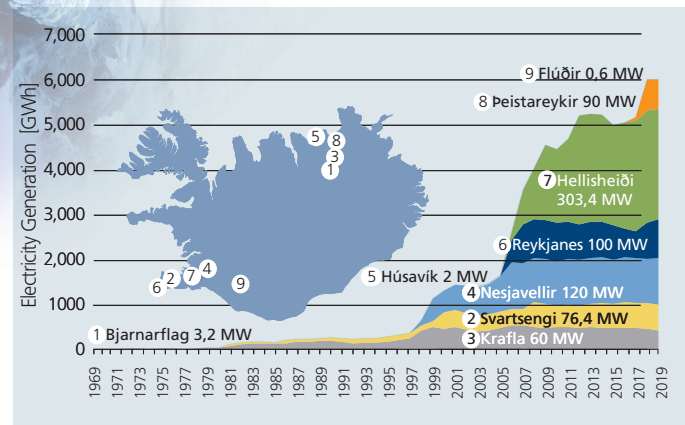
Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp, or ton of oil equivalent, toe. The same prefixes are used, e.g. ktoe and Gtoe.

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

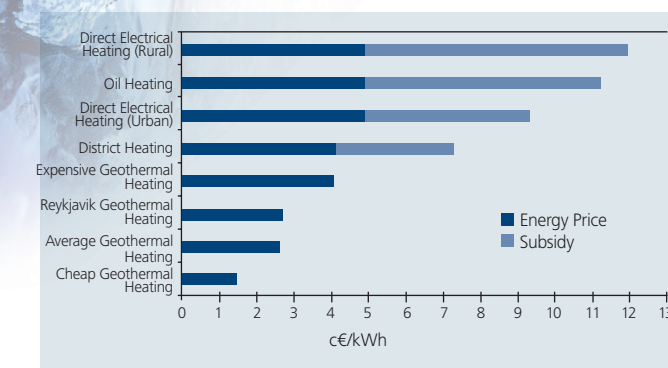
Space heating by energy source 1952-2019



Electricity generation of geothermal power plants 1969-2019



Energy price for space heating in September 2019



Final Heat Use 2018

