

ENERGY STATISTICS IN ICELAND **2020**



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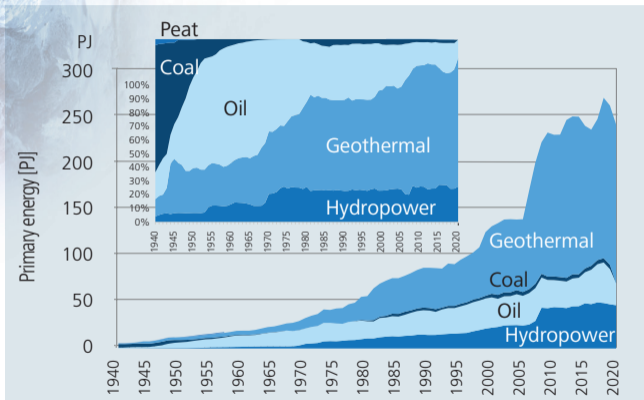


Main electricity transmission grid in Iceland



Source: Landsnet

Primary energy use in Iceland 1940–2020

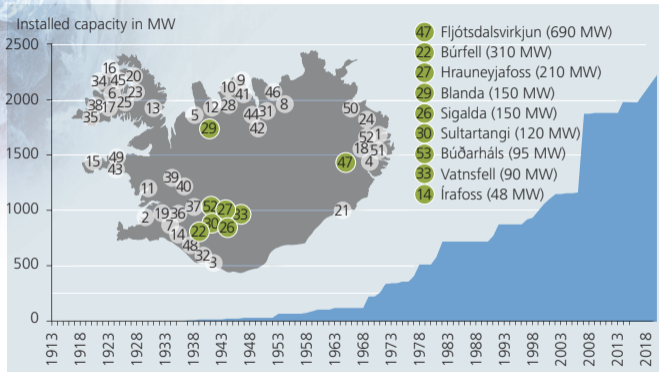


Installed capacity, electricity production and use 2018-2020

Installed capacity in power plants	2020		2019		2018	
	MW	%	MW	%	MW	%
Hydro	2.215	71,7	2.204	71,6	2.098	71,7
Geothermal	799	25,9	799	26,0	754	25,8
Fuel	72	2,3	72	2,3	72	2,5
Wind	3	0,1	3	0,1	3	0,1
Total	3.089	100	3.078	100	2.927	100
Electricity production	2020		2019		2018	
	GWh	%	GWh	%	GWh	%
Hydro	13.157	68,78	13.461	69,07	13.814	69,7
Geothermal	5.961	31,16	6.018	30,88	6.010	30,3
Fuel	3	0,02	3	0,02	2	0,01
Wind	7	0,04	7	0,04	4	0,02
Total	19.128	100	19.489	100	19.830	100
Electricity use	2020		2019		2018	
	GWh	%	GWh	%	GWh	%
General use*	3.414	17,8	3.485	17,9	3.619	18,3
Heavy industry*	14.831	77,5	15.115	77,6	15.260	77,0
Losses&use-power plants*	349	1,8	358	1,8	397	2,0
Distribution losses*	181	0,9	165	0,8	156	0,8
Transmission losses.*	353	1,8	366	1,9	398	2,0
Total	19.128	100	19.489	100	19.830	100

Source: Orkustofnun

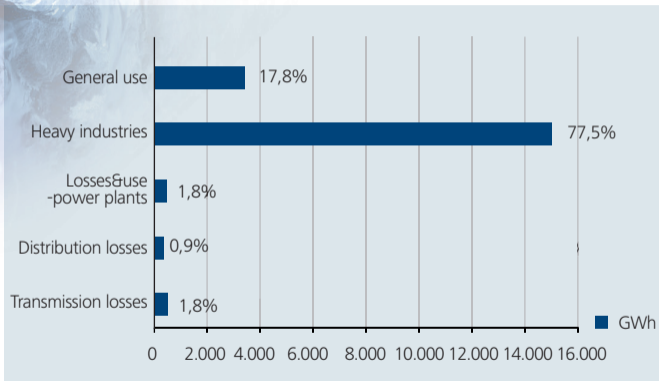
Installed capacity in hydro power plants 1913-2020



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

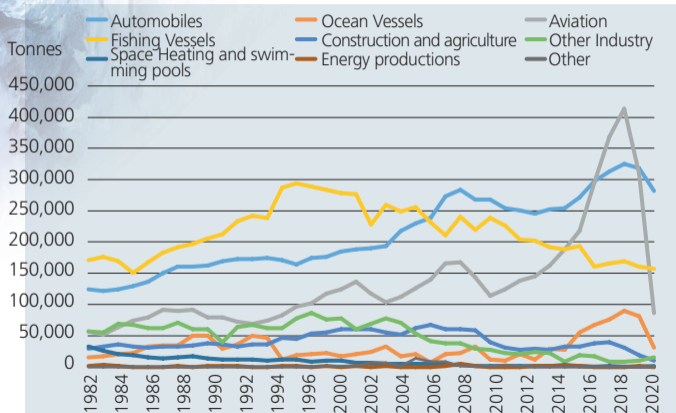
Source: Orkustofnun

Electricity use 2020

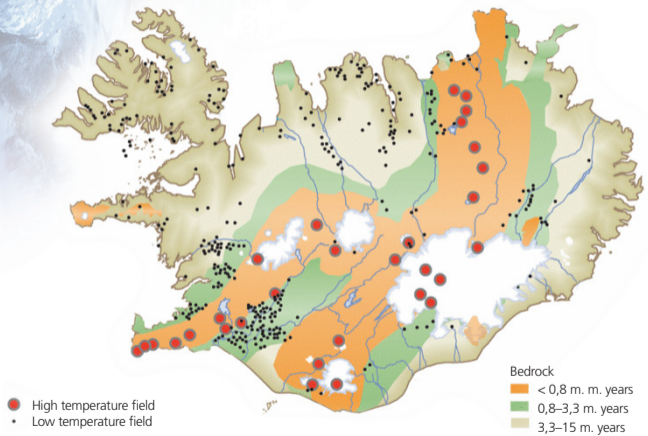


Source: Orkustofnun

Development of fuel sales by sector in Iceland 1982-2020



Geothermal fields



Bedrock
● < 0,8 m. m. years
■ 0,8–3,3 m. years
■ 3,3–15 m. years

ÍSOR 2010: KS/HJO

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}
Gíga	G	10^9
Mega	M	10^6
Kíló	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.

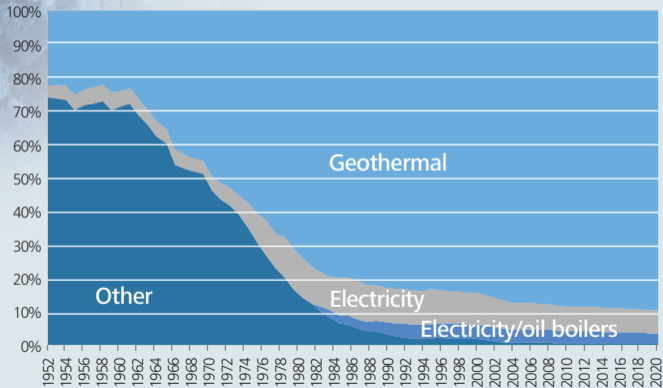
1 horsepower = 0,75 kW

1 toe = 41,9 GJ

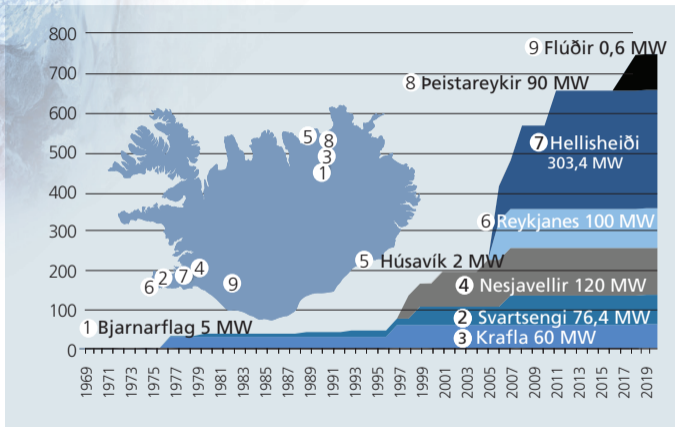
1 Wh = 3,6 kJ

1PJ = 0,278 TWh

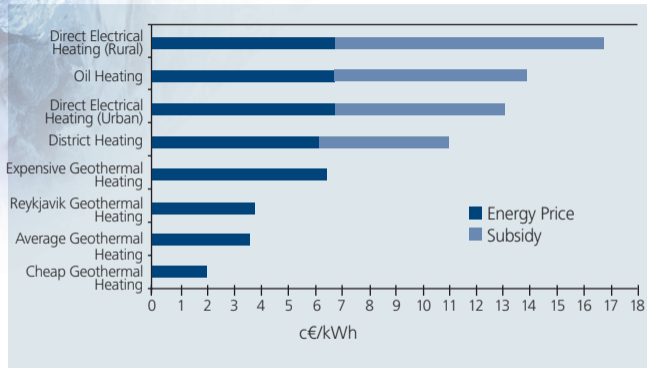
Space heating by energy source 1952-2020



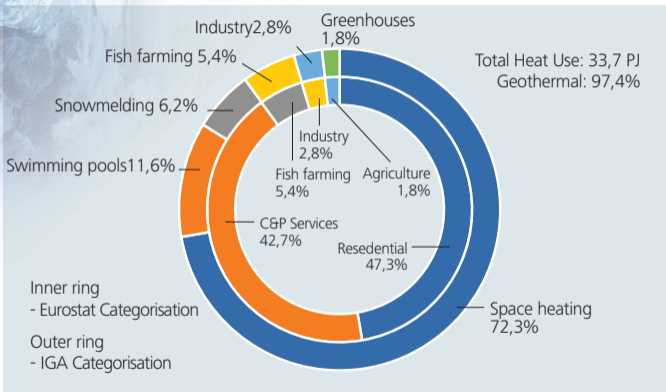
Installed Electrical Capacity of Geothermal Power Plants



Energy Price for House Heating in September 2020



Total Heat Use 2019





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Energy Statistics 2020

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