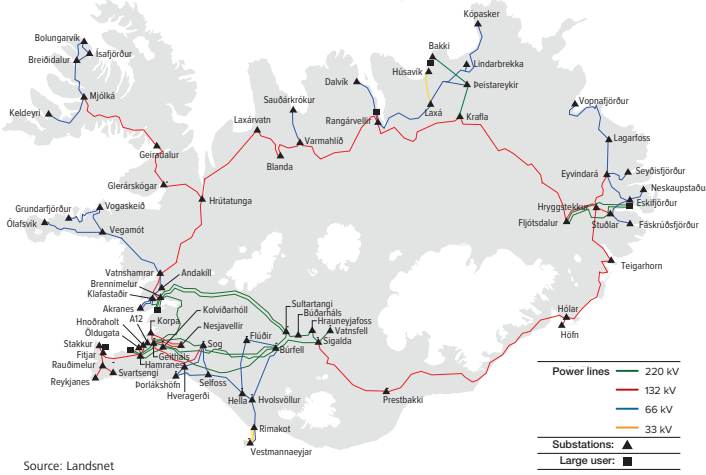
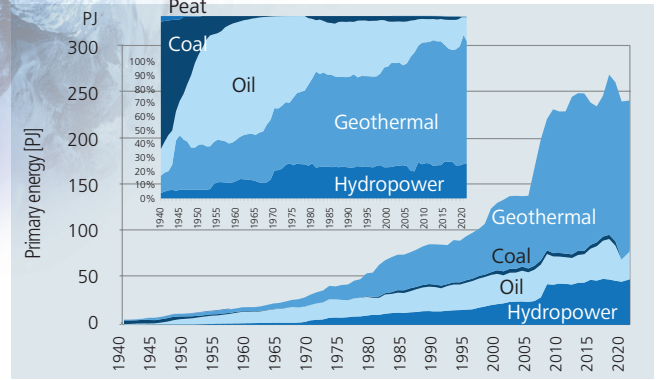


Main electricity transmission grid in Iceland



Primary energy use in Iceland 1940–2021



Installed capacity, electricity production and consumption 2021, 2020 and 2019

Installed capacity in power plants	2021		2020		2019	
	MW	%	MW	%	MW	%
Hydro	2.215	71,61	2.215	71,7	2.204	71,6
Geothermal	799	25,83	799	25,9	799	26,0
Fuel	77	2,49	72	2,3	72	2,3
Wind	2	0,06	3	0,1	3	0,1
<b>Total</b>	<b>3.093</b>	<b>100</b>	<b>3.089</b>	<b>100</b>	<b>3.078</b>	<b>100</b>

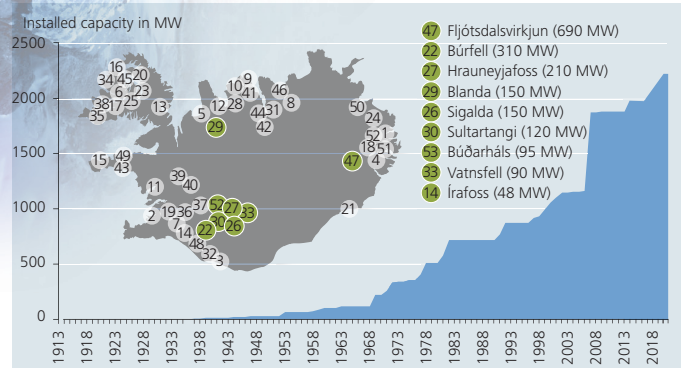
Electricity production	2021		2020		2019	
	GWh	%	GWh	%	GWh	%
Hydro	13.804	70,38	13.157	68,78	13.461	69,07
Geothermal	5.802	29,58	5.961	31,16	6.018	30,88
Fuel	2	0,01	3	0,02	3	0,02
Wind	6	0,03	7	0,04	7	0,04
<b>Total</b>	<b>19.614</b>	<b>100</b>	<b>19.128</b>	<b>100</b>	<b>19.489</b>	<b>100</b>

Electricity consumption	2021		2020		2019	
	GWh	%	GWh	%	GWh	%
General use*	3.436	17,52	3.414	17,8	3.485	17,9
Heavy industry*	15.244	77,72	14.831	77,5	15.115	77,6
Losses & use - power plants*	368	1,88	349	1,8	358	1,8
Distribution losses*	179	0,91	181	0,9	165	0,8
Transmission losses.*	387	1,97	353	1,8	366	1,9
<b>Total</b>	<b>19.614</b>	<b>100</b>	<b>19.128</b>	<b>100</b>	<b>19.489</b>	<b>100</b>

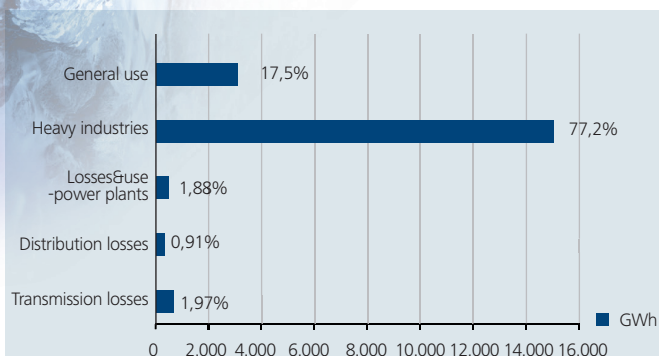
Source: Orkustofnun

Installed capacity in hydro power plants 1913-2021

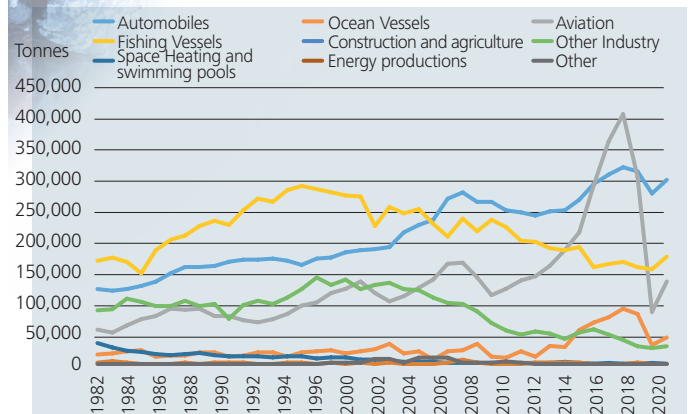


The numbered dots in the picture show the main hydro power plants in Iceland. The largest are specified (green dots).

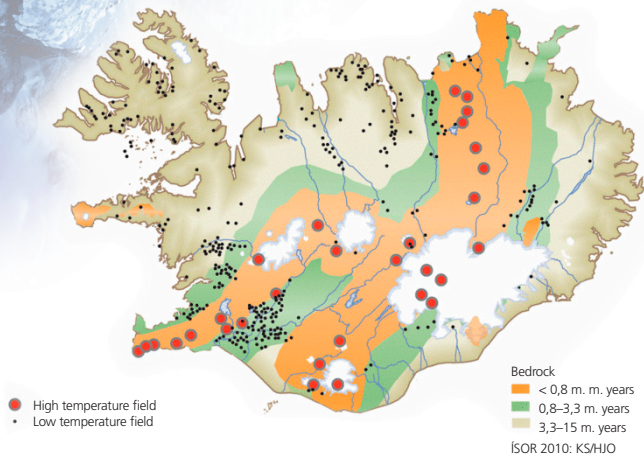
Electricity consumption 2021



Development of fuel sales by sector in Iceland 1982-2021



## 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)

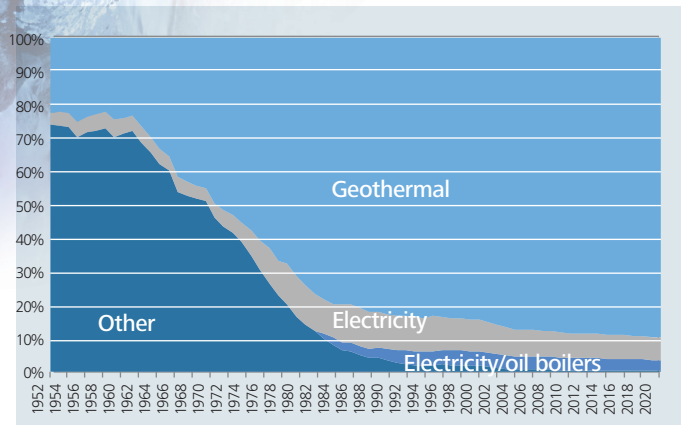
The prefixes for multiples of units in the SI system are:

Exa	E	10 <sup>18</sup>
Peta	P	10 <sup>15</sup>
Tera	T	10 <sup>12</sup>
Giga	G	10 <sup>9</sup>
Mega	M	10 <sup>6</sup>
Kiló	k	10 <sup>3</sup>

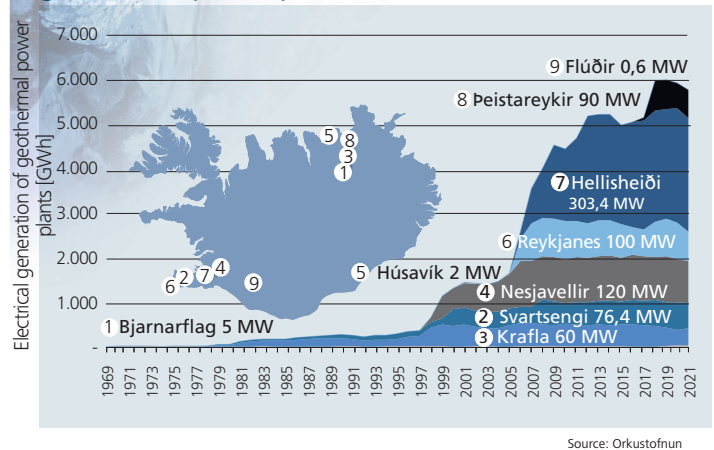
Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp, or ton of oil equivalent, toe. The same prefixes are used, e.g. ktoe and Gtoe.

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

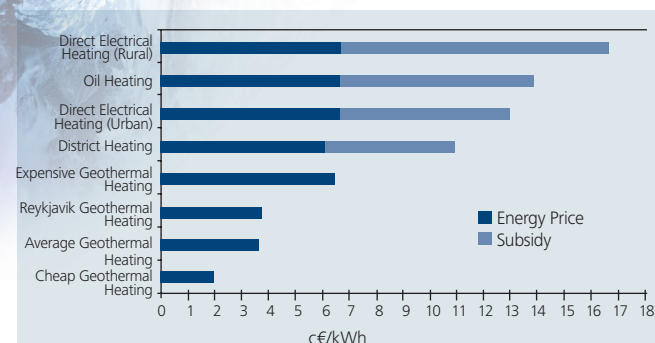
## Space heating by energy source 1952-2021



## Installed electrical capacity and generation of geothermal power plants in Iceland 1969-2021



## Energy Price for House Heating in September 2022



## Total Heat Use 2021

