

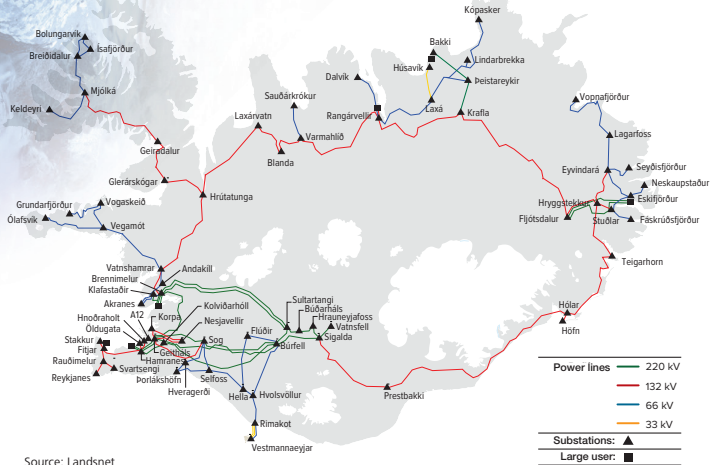


ENERGY STATISTICS IN  
ICELAND **2019**



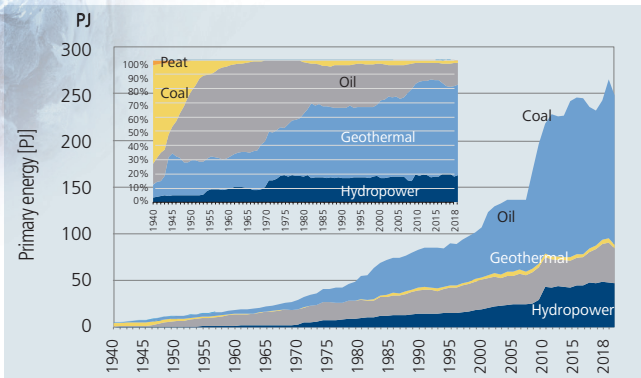
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# Main electricity transmission grid in Iceland



Source: Landsnet

# Primary energy use in Iceland 1940–2019

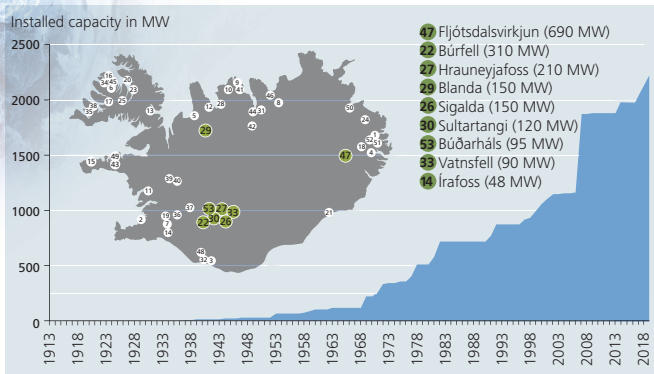


# Installed capacity, electricity production and consumption 2017-2019

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
<b>Total</b>	<b>3.078</b>	<b>100</b>	<b>2.927</b>	<b>100</b>	<b>2.767</b>	<b>100</b>
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
<b>Total</b>	<b>19.489</b>	<b>100</b>	<b>19.830</b>	<b>100</b>	<b>19.239</b>	<b>100</b>
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
<b>Total</b>	<b>19.489</b>	<b>100</b>	<b>19.830</b>	<b>100</b>	<b>19.239</b>	<b>100</b>
*Estimate 2019						

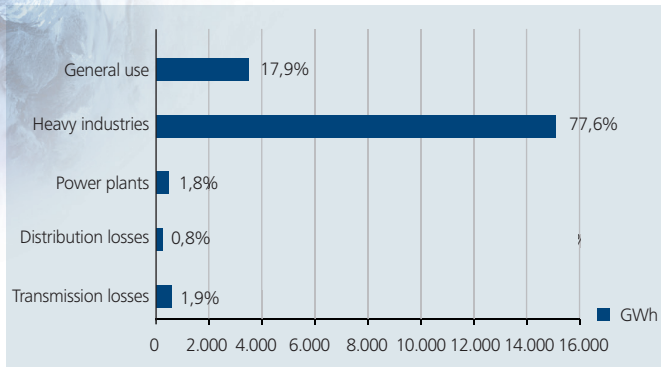
Source: Orkustofnun

# Installed capacity in hydro power plants 1913-2019

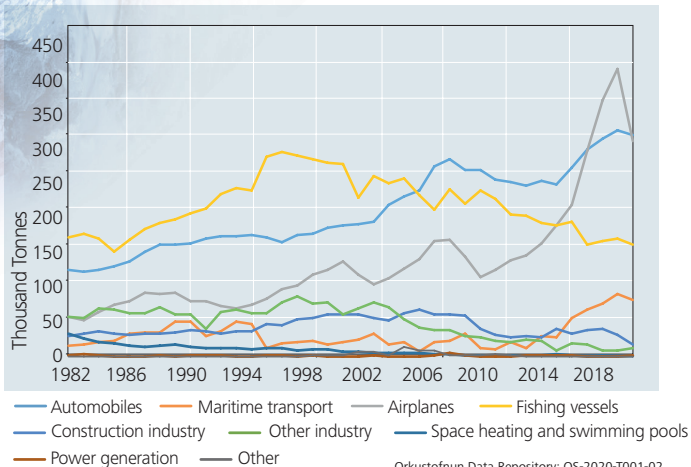


The numbered dots in the picture show the main hydro power plants in Iceland.  
The largest are specified (green dots).

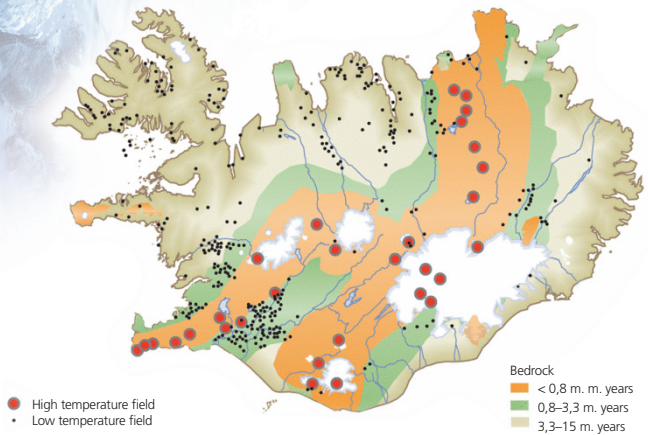
## Electricity consumption 2019



## Oil consumption in Iceland 1982-2019



# Geothermal fields



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.

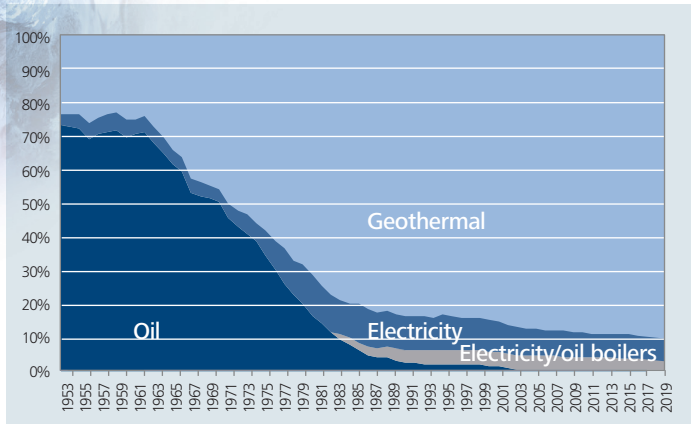
1 horsepower = 0,75 kW

1 toe = 41,9 GJ

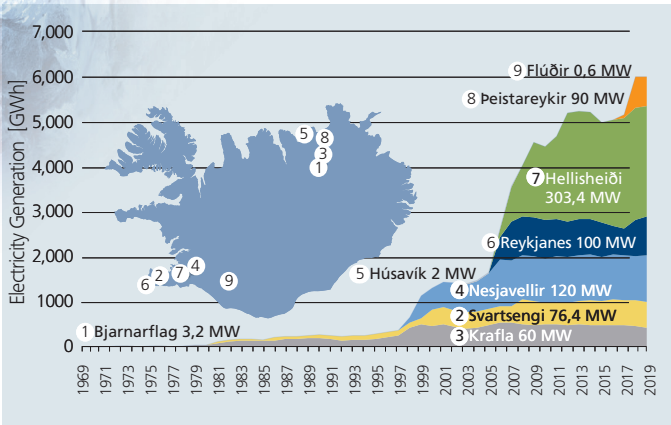
1 Wh = 3,6 kJ

1PJ = 0,278 TWh

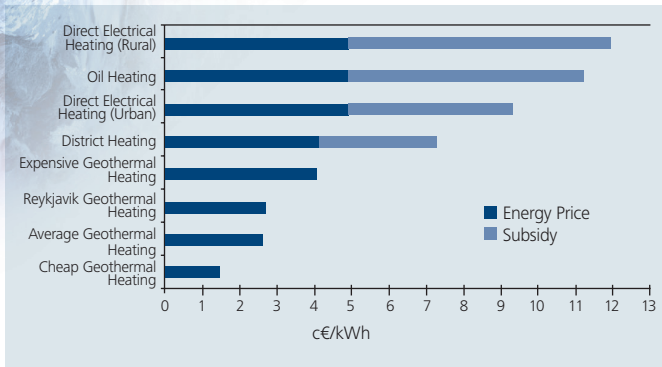
## Space heating by energy source 1952-2019



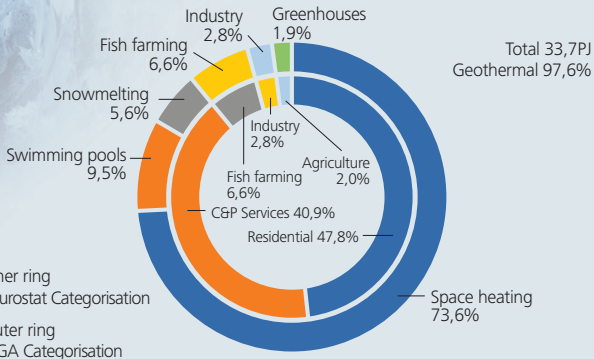
# Electricity generation of geothermal power plants 1969-2019



## Energy price for space heating in September 2019



## Final Heat Use 2018





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## Energy Statistics 2019

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