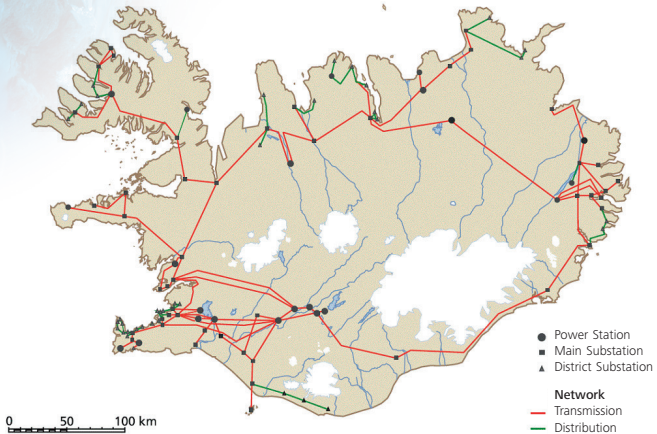




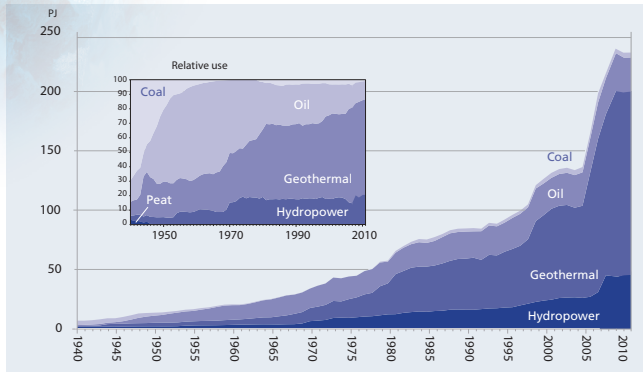
ENERGY STATISTICS
IN ICELAND
2012

 ORKUSTOFNUN

Electricity network



Primary energy use in Iceland 1940–2011



Generation of electricity in Iceland 2011 and 2010

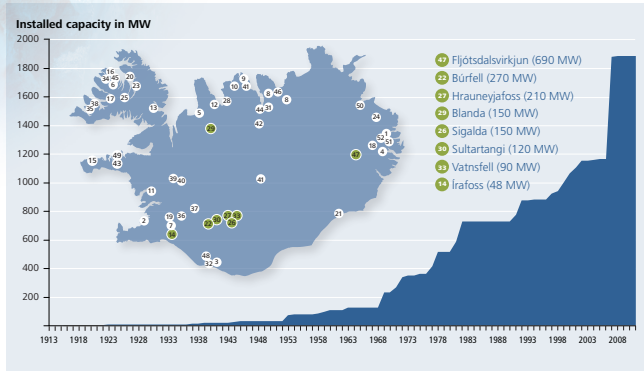
Installed capacity in power plants

	2011		2010	
	MW	%	MW	%
Hydro	1.884	70,6	1.883	73,0
Geothermal	663	24,8	575	22,3
Fuel	120	4,5	121	4,7
Total	2.668	100,0	2.579	100,0

Electricity production

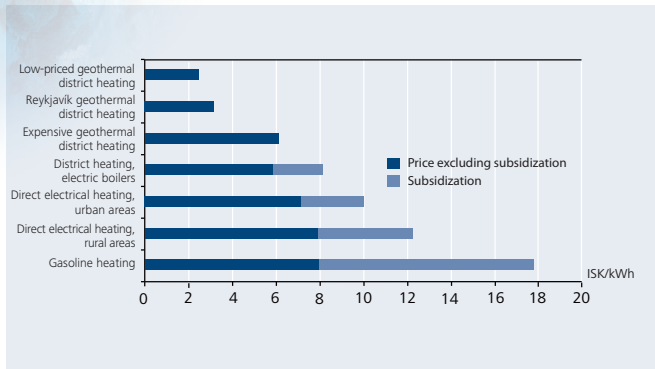
	2011		2010	
	GWh	%	GWh	%
Hydro	12.507	72,7	12.592	73,8
Geothermal	4.701	27,3	4.465	26,2
Fuel	2	0,0	2	0,0
Total	17.210	100,0	17.059	100,0

Installed capacity in hydro power plants

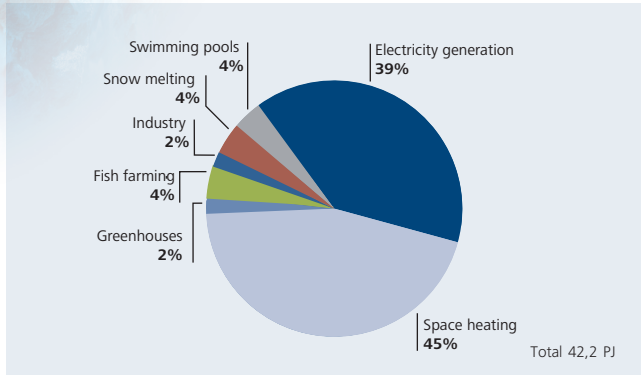


The numbered dots in the picture show the main hydro power plants in Iceland. The largest are specified (green dots).

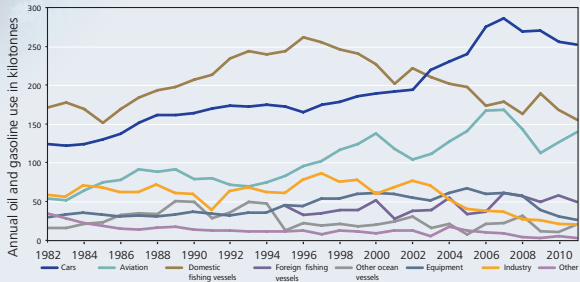
Comparison of energy prices for residential heating mid year 2011



Utilisation of geothermal energy 2011



Oil consumption in Iceland 1982–2011



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)	-

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

Prefix	Abbreviations	Multiple of base unit
Exa	E	10^{18}
Peta	P	10^{15}
Tera	T	10^{12}
Giga	G	10^9
Mega	M	10^6
Kilo	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.

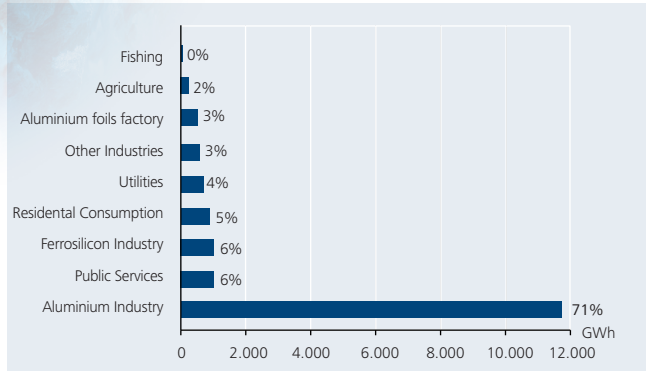
1 hp = 0,75 kW

1 toe = 41,9 GJ

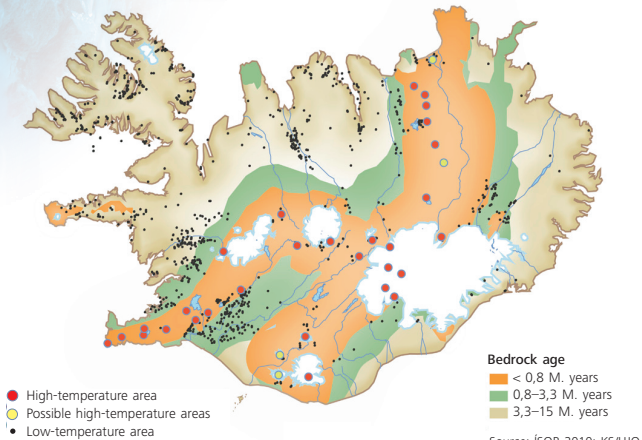
1 Wh = 3,6 kJ

1PJ = 0,278 TWh

Electricity consumption 2011

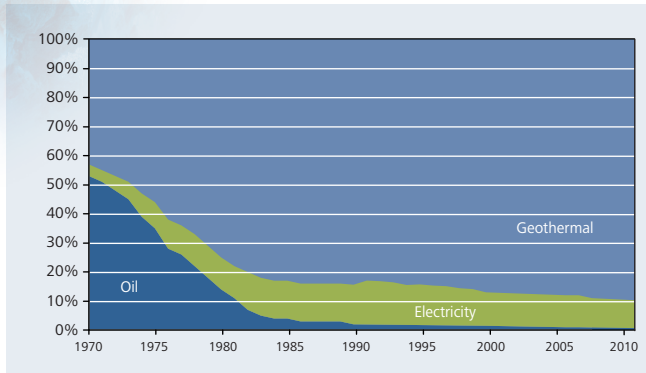


Geothermal fields

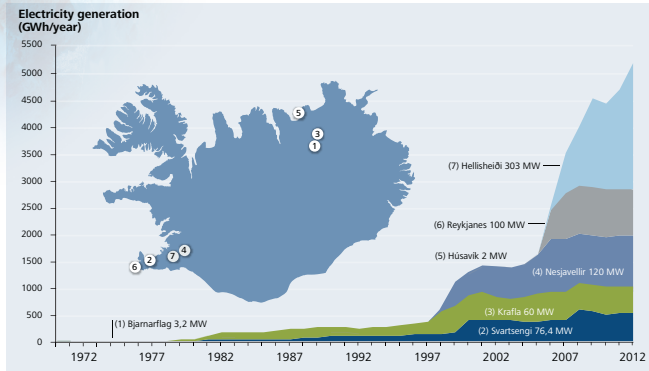


Source: ÍSOR 2010: KS/HJO

Space heating 1970–2011



Generation of electricity – geothermal energy



ORKUSTOFNUN

-Þekkingarbrunnur um orkunnið

Energy Statistics in Iceland 2012

Published in January 2013

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Editor: Petra Steinunn Sveinsdóttir

Design and layout: Skaparin. Auglýsingastofa

Printing: Litróf

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