

Generation of electricity in Iceland 2016 og 2015

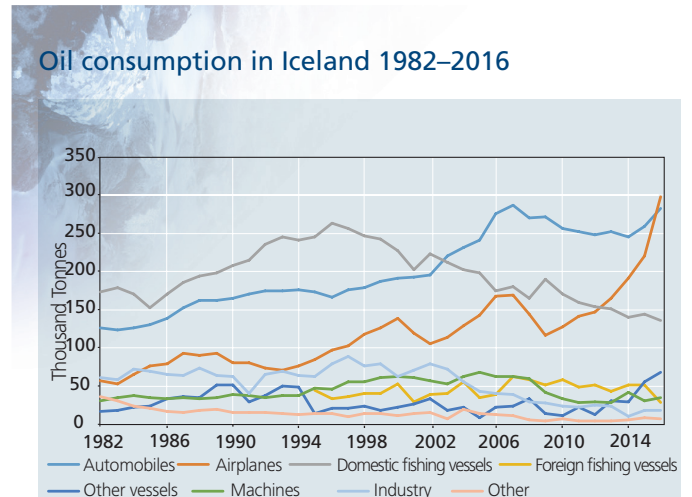
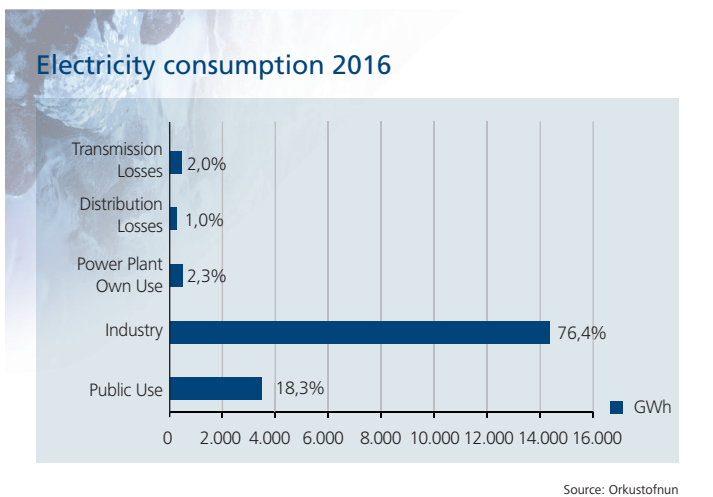
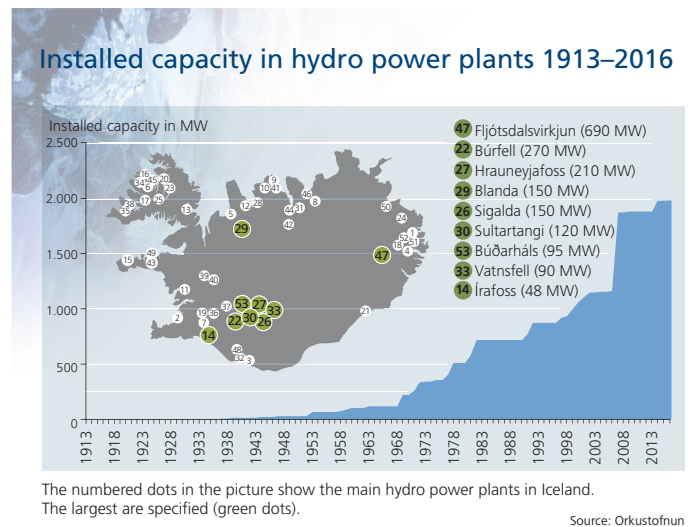
Installed capacity in power plants

	2016		2015	
	MW	%	MW	%
Hydro	1.988	71,7	1.986	71,7
Geothermal	665	24,0	665	24,0
Fuel	117	4,2	117	4,2
Wind	3	0,1	3	0,1
Total	2.773	100	2.771	100

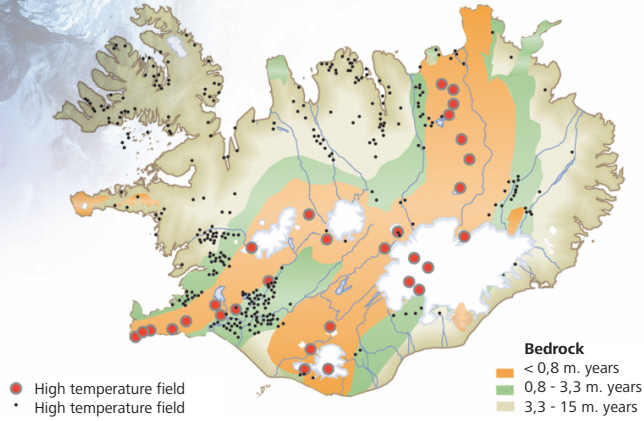
Electricity production

	2016		2015	
	GWh	%	GWh	%
Hydro	13.470	72,6	13.780	73,3
Geothermal	5.067	27,3	5.003	26,6
Fuel	3	0,0	4	0,0
Wind	9	0,1	11	0,1
Total	18.549	100	18.798	100

Source: Orkustofnun



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:

	Basic unit	Customary unit
	Joule (J)	Watt hour (MWh)
	Watt (W)	-

W: James Watt (1736-1819)

J: James Prescott Joule (1818-1889)

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

Prefix	Symbol	Value
Exa	E	10^{18}
Peta	P	10^{15}
Tera	T	10^{12}
Gíga	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.

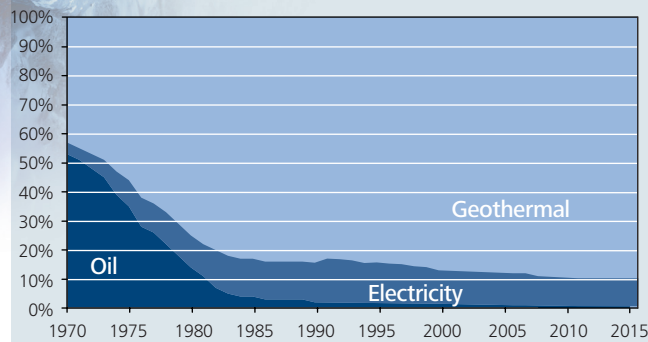
1 horsepower = 0,75 kW

1 toe = 41,9 GJ

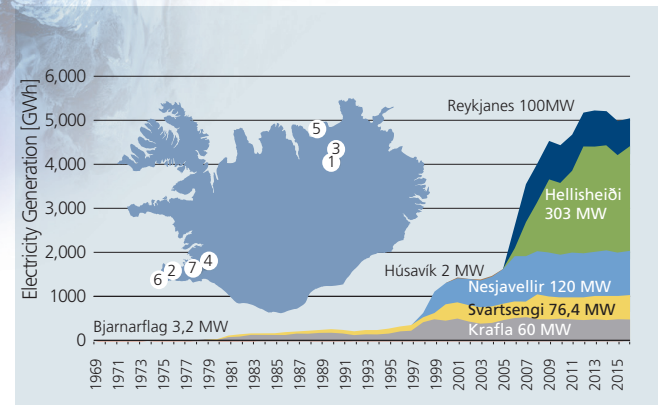
1 Wh = 3,6 kJ

1 PJ = 0,278 TWh

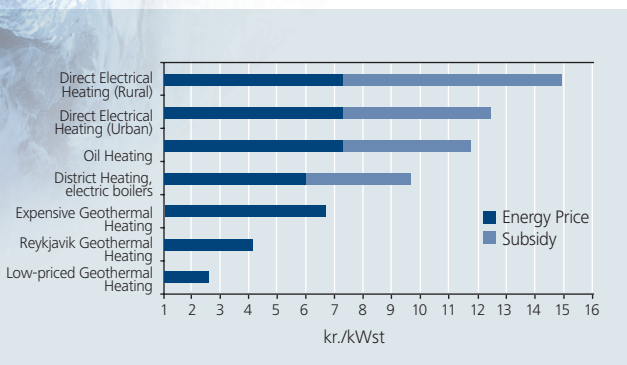
Space heating 1970–2016



Electricity Generation of Geothermal Power Plants



Energy Price for House Heating in September 2016



Final Heat Use 2016

