



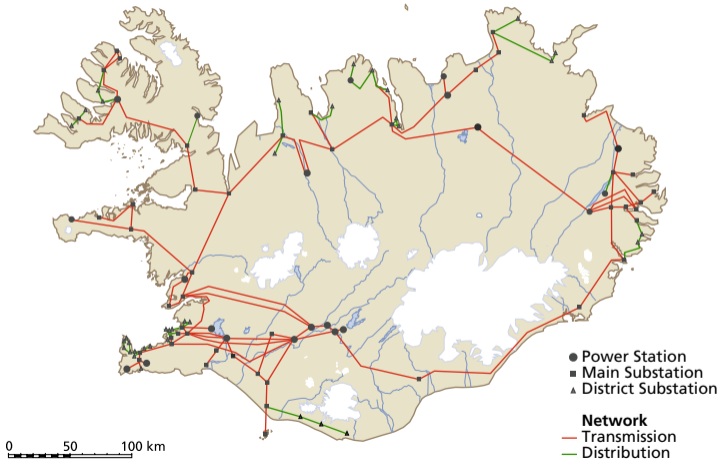
ENERGY STATISTICS IN ICELAND

2009

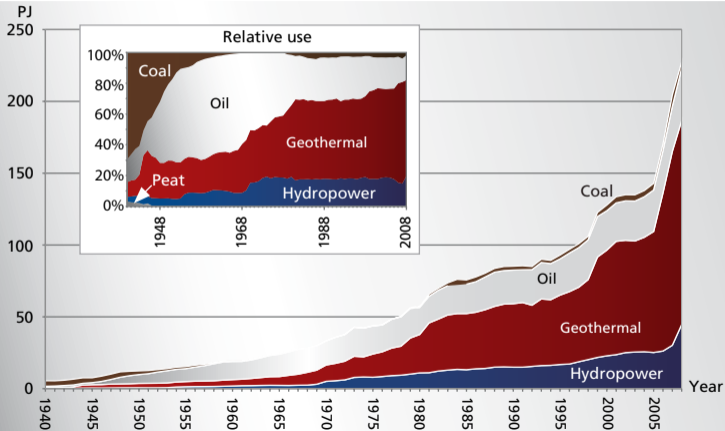


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Electricity network



Primary energy use in Iceland 1940-2008



Generation of electricity in Iceland 2008 and 2007

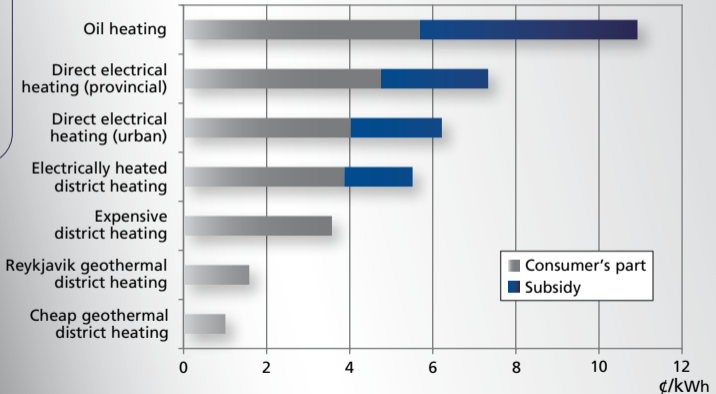
Installed capacity in power station

	2008		2007	
	MW	%	MW	%
Hydro	1.879	73,0	1.758	68,3
Geothermal	575	22,3	485	18,8
Fuel	120	4,7	120	4,7
Total	2.574	100,0	2.363	91,8

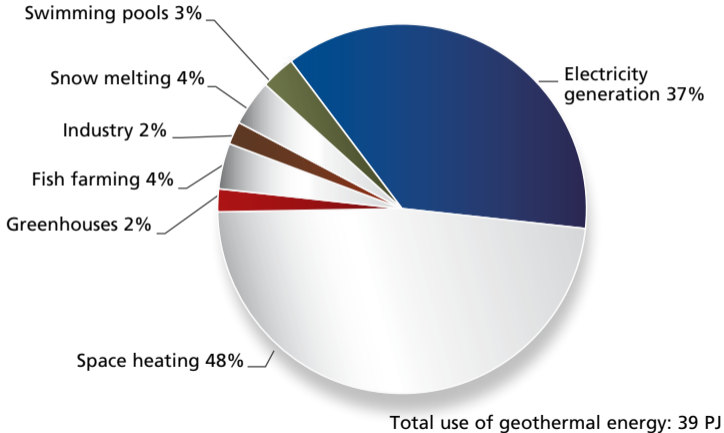
Electricity production

	2008		2007	
	GWh	%	GWh	%
Hydro	12.427	75,5	8.394	70,1
Geothermal	4.038	24,5	3.579	29,9
Fuel	3	0,0	3	0,0
Total	16.468	100,0	11.976	100,0

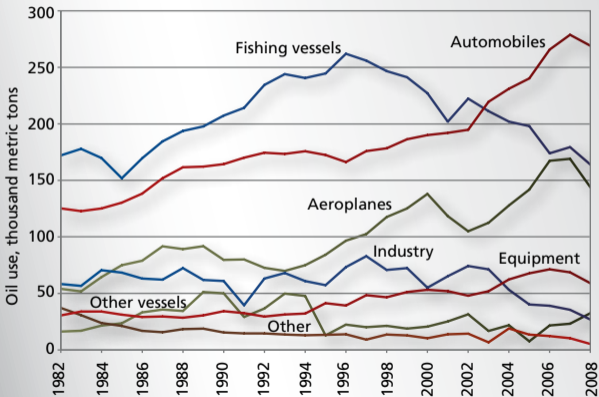
Comparison of energy prices for residential heating mid year 2009



Utilisation of geothermal energy 2008



Oil consumption in Iceland 1982-2008



Units of Power and Energy

The International System of Units (SI) is the mandatory system of measurement 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

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
Kiló	k	10^3

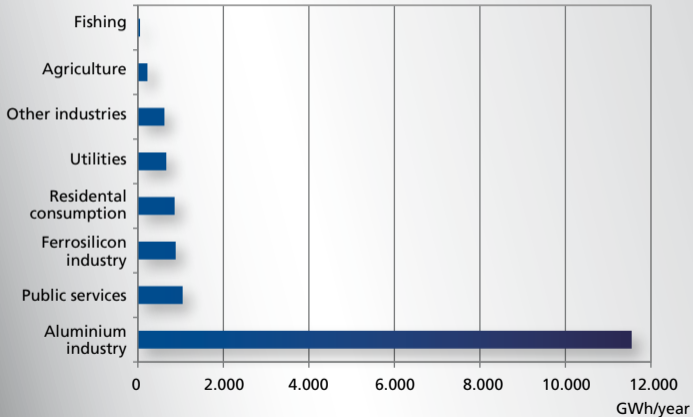
Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp, or ton of oil equivalent, toe. The same prefixes are used, e.t. Ktoe and Gtoe.

1 hp = 0,75 kW

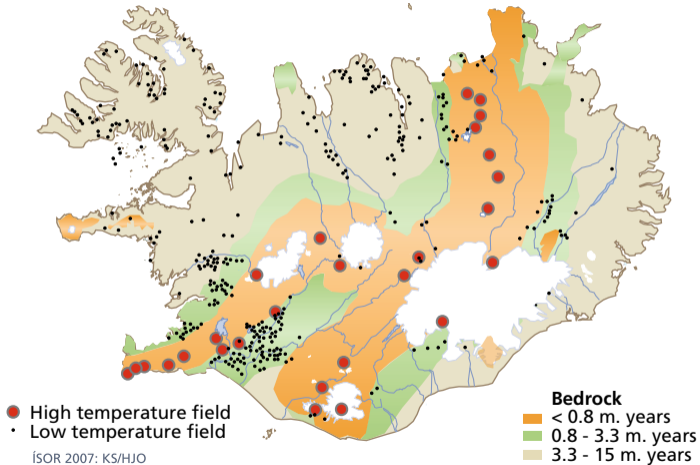
1 toe = 41,9 GJ

1 Wh = 3,6 kJ

Electricity consumption 2008



Geothermal fields



The main district heating companies in Iceland

	Number of wells 2008	Population 2008	Distribution 1000 m ³ 2008
Reykjavik Energy <i>geothermal</i>	93	204.208	85.626
HS veitur <i>geothermal</i>	13	24.932	14.621
		21.332	13.320
		3.600	1.301
Nordurorka hf. <i>geothermal</i>	18	19.039	9.088
Skagafjardarveitur <i>geothermal</i>	10	3.516	4.092
Selfossveitur <i>geothermal</i>	7	7.821	3.700
All heating services	330	294.176	140.000



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National Energy Authority

Energy Statistics in Iceland

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