

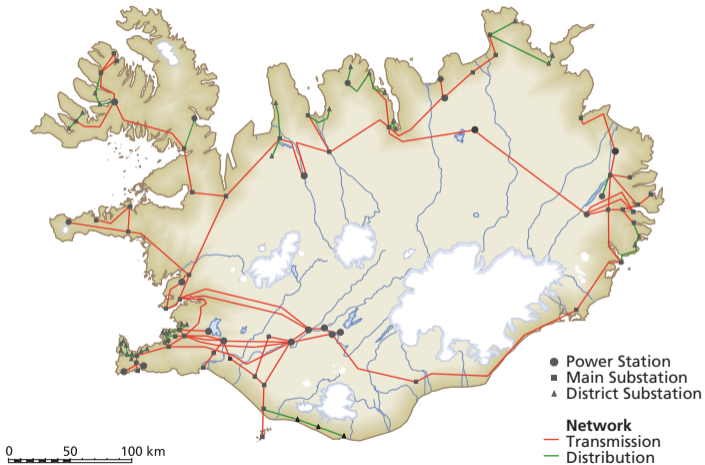


ENERGY STATISTICS IN ICELAND 2008

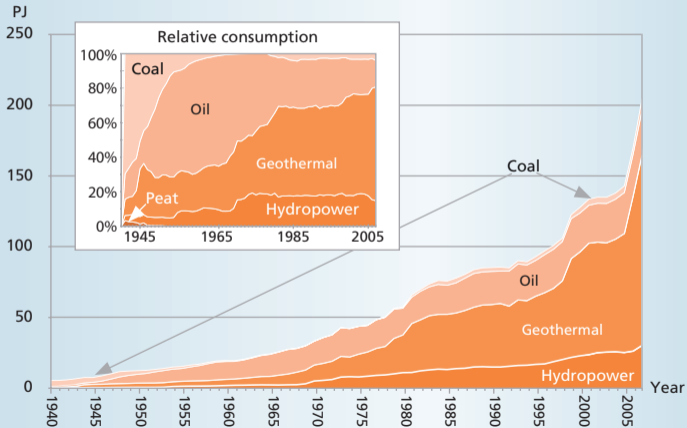


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Electricity network



Primary energy consumption in Iceland 1940-2007



Generation of electricity in Iceland 2007 and 2006

Installed capacity in power station

	2007		2006	
	MW	%	MW	%
Hydro	1.758	74,4	1.162	68,4
Geothermal	485	20,5	422	24,9
Fuel	120	5,1	113	6,6
Total	2.363	100,0	1.697	100,0

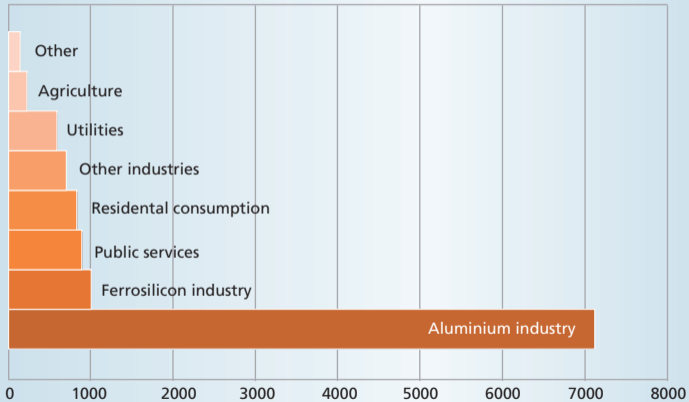
Electricity production

	2007		2006	
	GWh	%	GWh	%
Hydro	8.394	70,1	7.289	73,4
Geothermal	3.579	29,9	2.631	26,5
Fuel	3	0,0	5	0,1
Total	11.976	100,0	9.925	100,0

Next foreseeable increase
in electricity production:

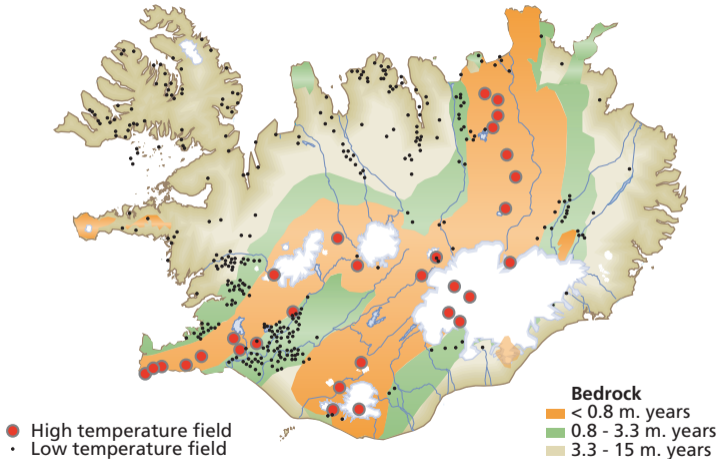
Geothermal:
Hellisheidi 90 MW,
720 GWh, 2008.

Electricity consumption 2007



GWh/year

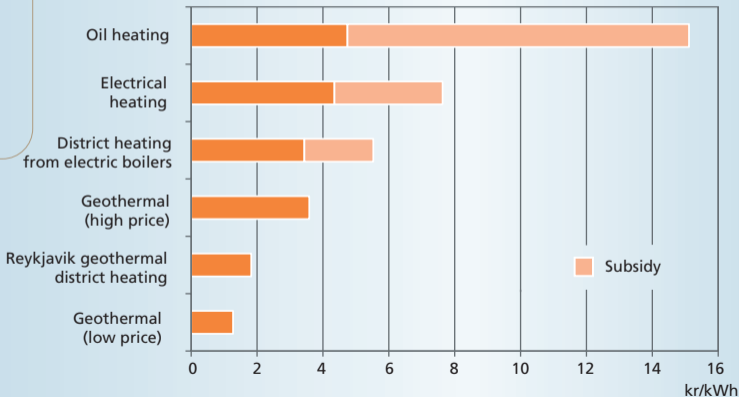
Geothermal fields



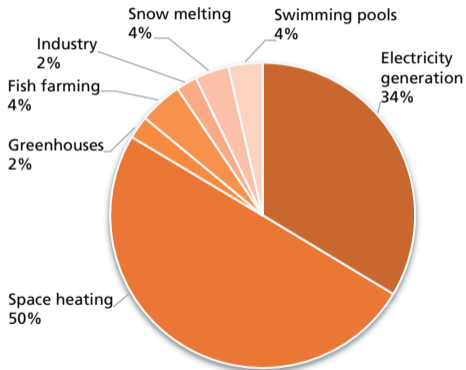
The main district heating companies in Iceland

	Number of wells 2007	Population 2007	Distribution 1000 m ³ 2007
Orkuveita Reykjavíkur <i>geothermal</i>	93	198,331	80,000
Hitaveita Sudurnesja hf. <i>geothermal</i> <i>electricity / oil</i>	13	23,782 20,228 3,554	14,608 13,203 1,405
Nordurorka hf. <i>geothermal</i>	18	18,885	7,077
Skagafjardarveitur <i>geothermal</i>	10	3,232	5,300
Selfossveitur <i>geothermal</i>	7	7,454	3,700
All heating services	328	284,100	135,000

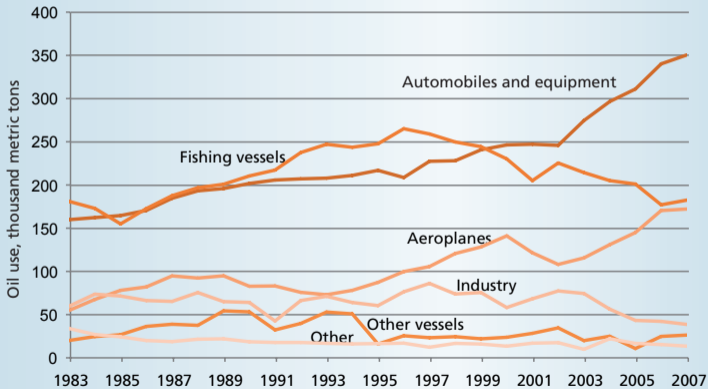
Comparison of energy prices for residential heating mid year 2008



Utilisation of geothermal energy 2007



Oil consumption in Iceland 1983-2007



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



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National Energy Authority

Energy Statistics in Iceland

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