



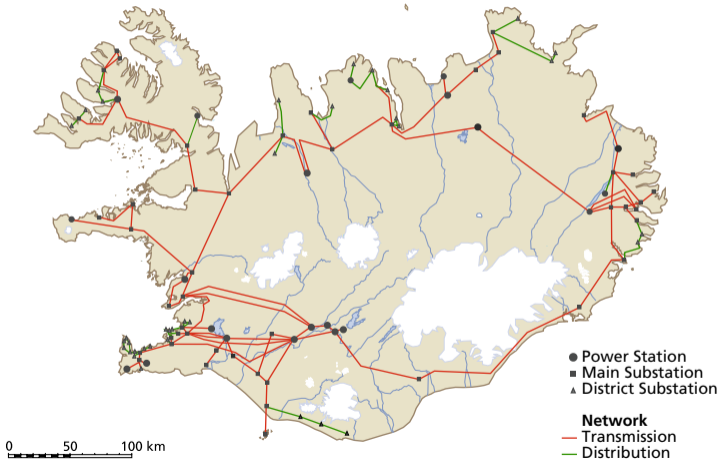
# ENERGY STATISTICS IN ICELAND

2009

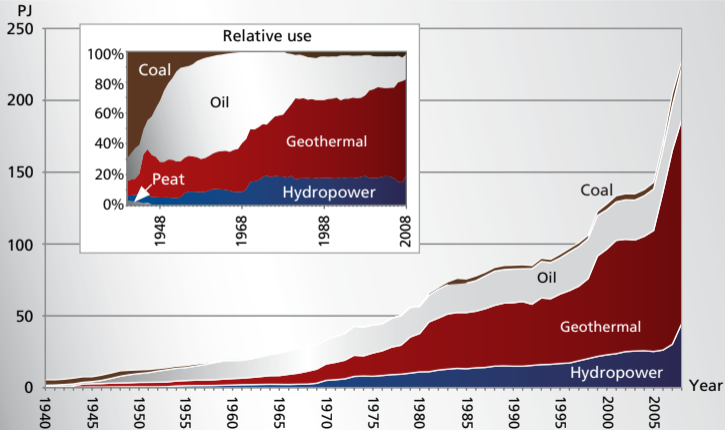


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# Electricity network



## Primary energy use in Iceland 1940-2008



## Generation of electricity in Iceland 2008 and 2007

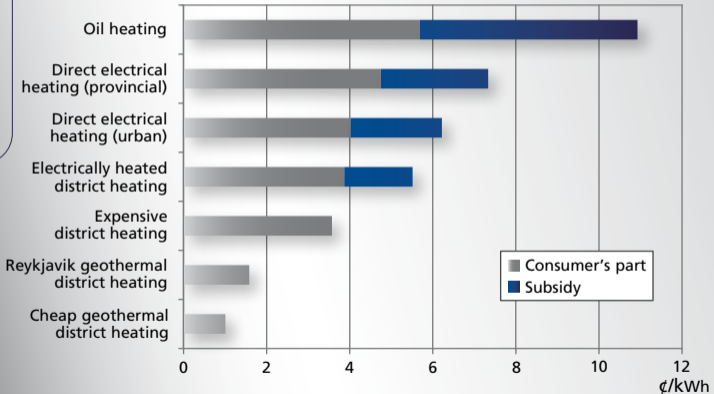
### Installed capacity in power station

	2008		2007	
	MW	%	MW	%
Hydro	1.879	73,0	1.758	74,4
Geothermal	575	22,3	485	20,5
Fuel	120	4,7	120	5,1
<b>Total</b>	<b>2.574</b>	<b>100,0</b>	<b>2.363</b>	<b>100,0</b>

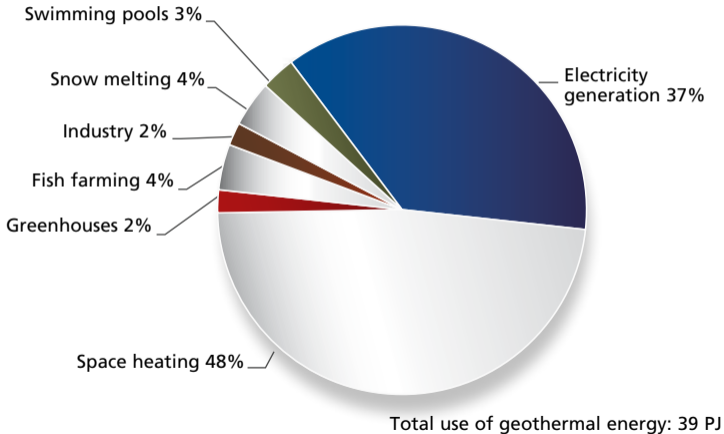
### Electricity production

	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
<b>Total</b>	<b>16.468</b>	<b>100,0</b>	<b>11.976</b>	<b>100,0</b>

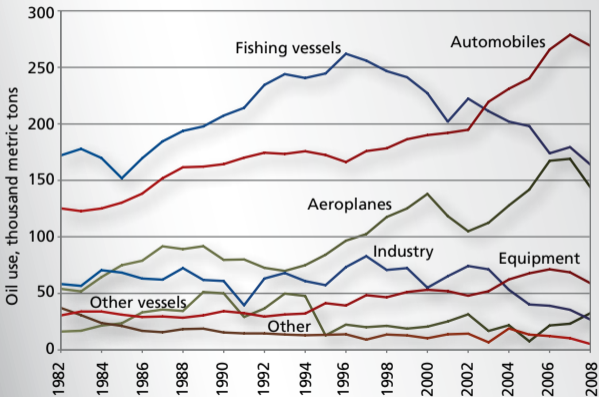
## Comparison of energy prices for residential heating mid year 2009



## 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	$10^3$

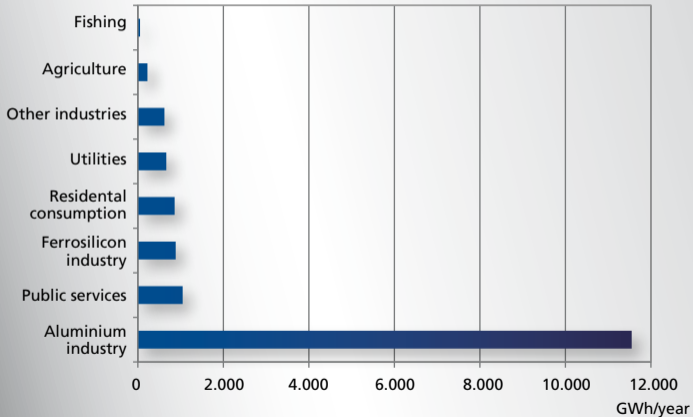
Sometimes other units which are not part of the SI system are used, e.g. horsepower, hp, or ton of oil equivalent, toe. The same prefixes are used, e.t. Ktoe and Gtoe.

1 hp = 0,75 kW

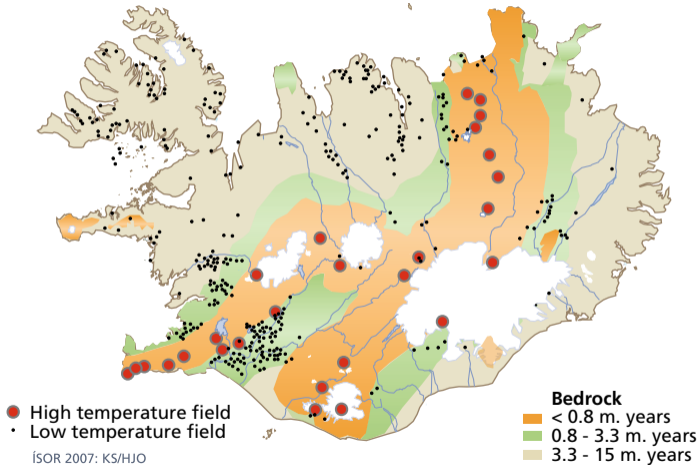
1 toe = 41,9 GJ

1 Wh = 3,6 kJ

## Electricity consumption 2008



# Geothermal fields



ÍSÖR 2007: KS/HJO

## The main district heating companies in Iceland

	Number of wells 2008	Population 2008	Distribution 1000 m <sup>3</sup> 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
<b>All heating services</b>	<b>330</b>	<b>294.176</b>	<b>140.000</b>



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National Energy Authority

## **Energy Statistics in Iceland**

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