

### Generation of electricity in Iceland 2015 og 2014

Installed capacity in power plants

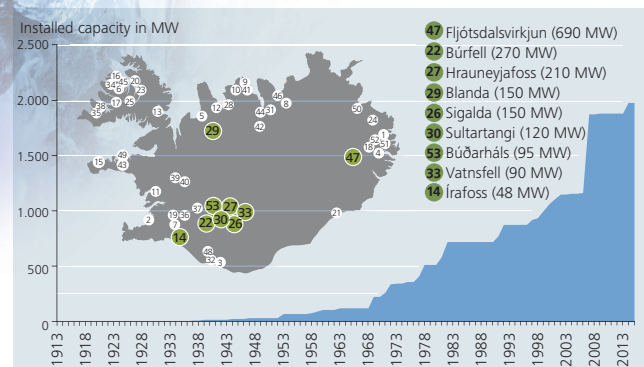
	2015		2014	
	MW	%	MW	%
Hydro	1.986	71,7	1.986	72,0
Geothermal	665	24,0	665	24,1
Fuel	117	4,2	106	3,8
Wind	3	0,1	3	0,1
<b>Total</b>	<b>2.771</b>	<b>100</b>	<b>2.760</b>	<b>100</b>

### Electricity production

	2015		2014	
	GWh	%	GWh	%
Hydro	13.780	73,3	12.873	71,0
Geothermal	5.003	26,6	5.239	28,9
Fuel	4	0,0	2	0,0
Wind	11	0,1	8	0,0
<b>Total</b>	<b>18.798</b>	<b>100</b>	<b>18.122</b>	<b>100</b>

Source: Orkustofnun

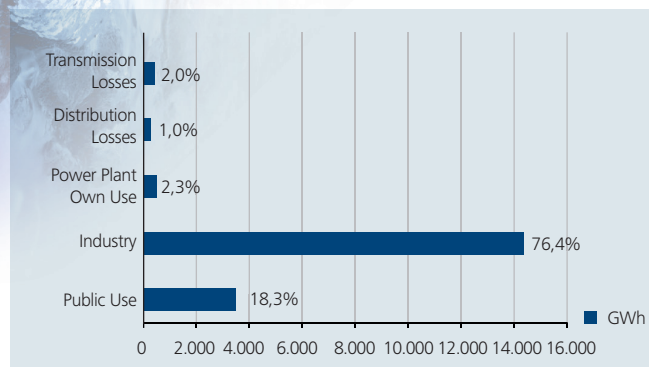
### Installed capacity in hydro power plants 1913–2015



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

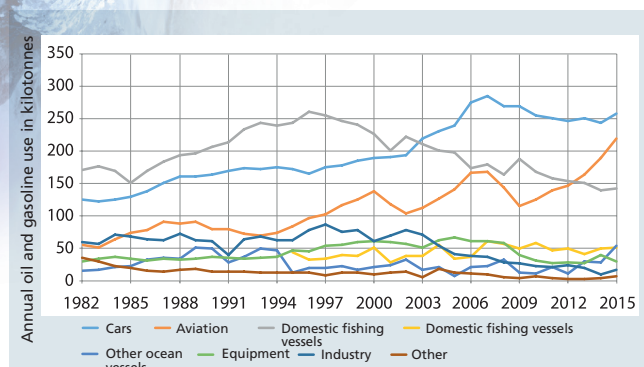
Source: Orkustofnun

### Electricity consumption 2015



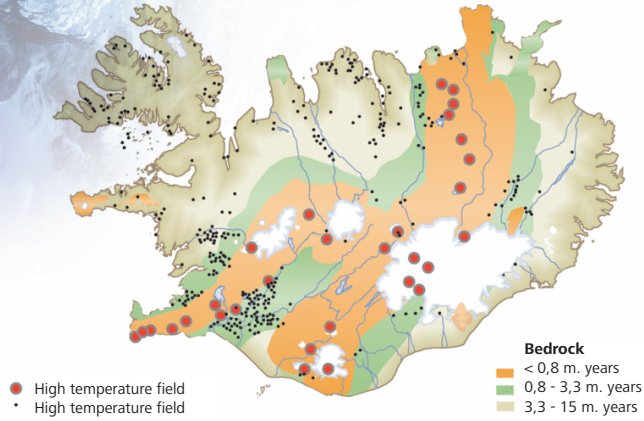
Source: Orkustofnun

### Oil consumption in Iceland 1982–2015



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(W)
	Watt hour(MWh)	-

W: kennt við Skotann James Watt (1736-1819)  
J: kennt við Engendinginn Janes Prescott Joule (1818-1889)

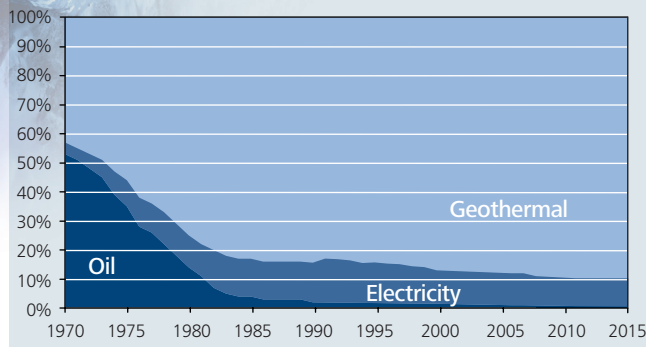
The prefixes for multiples of units in the SI system are:

Exa	E	10 <sup>18</sup>
Peta	P	10 <sup>15</sup>
Tera	T	10 <sup>12</sup>
Gíga	G	10 <sup>9</sup>
Mega	M	10 <sup>6</sup>
Kiló	k	10 <sup>3</sup>

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.

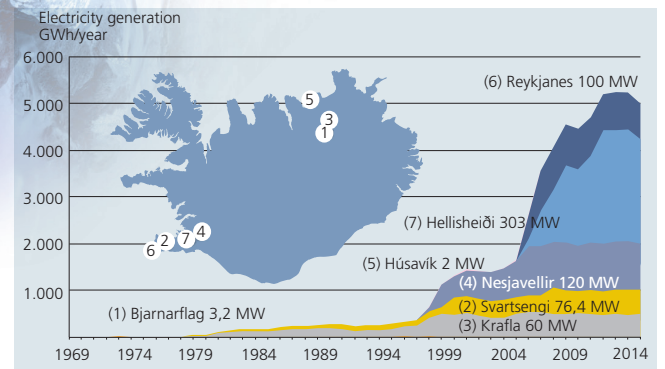
1 hestafi = 0,75 kW  
1 toi = 41,9 GJ  
1 Wh = 3,6 kJ  
1 PJ = 0,278 TWh

## Space heating 1970–2015



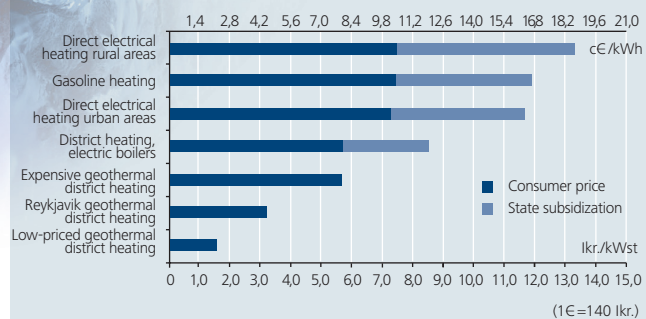
Source: Orkustofnun

## Generation of electricity – geothermal energy 1969–2015



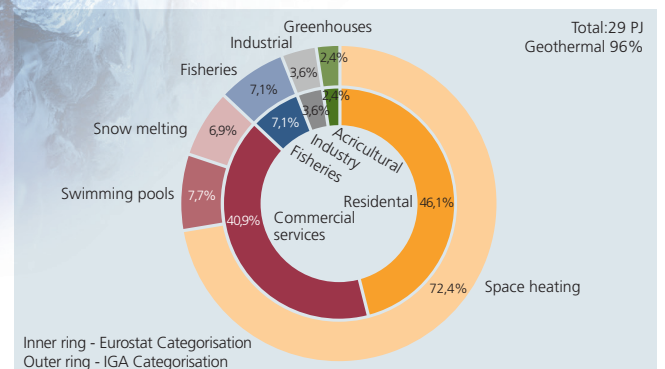
Source: Orkustofnun Data Repository OS-2016-T003-01

## Comparison of energy prices for residential heating mid year 2015



Source: Orkustofnun Data Repository OS-2016-T001-01

## Final heat use 2015



Source: Orkustofnun Data Repository OS-2016-T004-01