

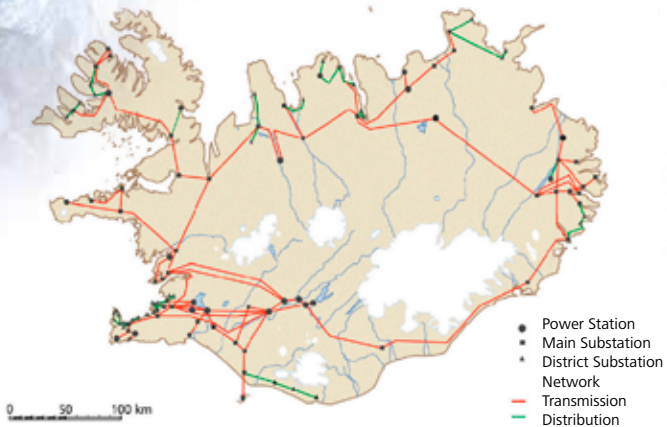


ENERGY STATISTICS IN  
ICELAND **2016**

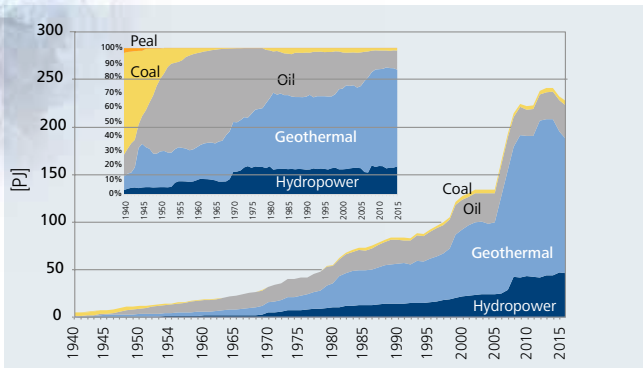


ORKUSTOFNUN

## Electricity network



## Primary energy use in Iceland 1940–2016



# Generation of electricity in Iceland 2016 og 2015

## Installed capacity in power plants

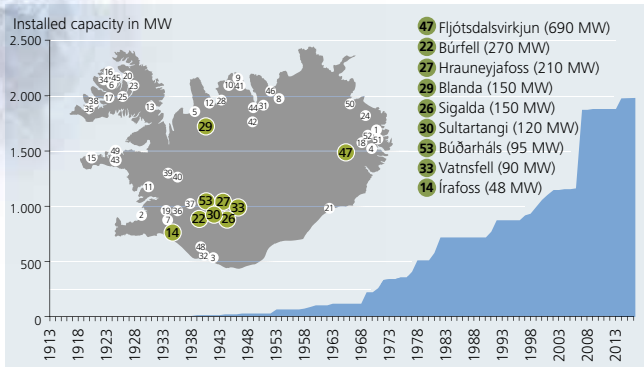
	2016		2015	
	MW	%	MW	%
Hydro	1.988	71,7	1.986	71,7
Geothermal	665	24,0	665	24,0
Fuel	117	4,2	117	4,2
Wind	3	0,1	3	0,1
<b>Total</b>	<b>2.773</b>	<b>100</b>	<b>2.771</b>	<b>100</b>

## 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
<b>Total</b>	<b>18.549</b>	<b>100</b>	<b>18.798</b>	<b>100</b>

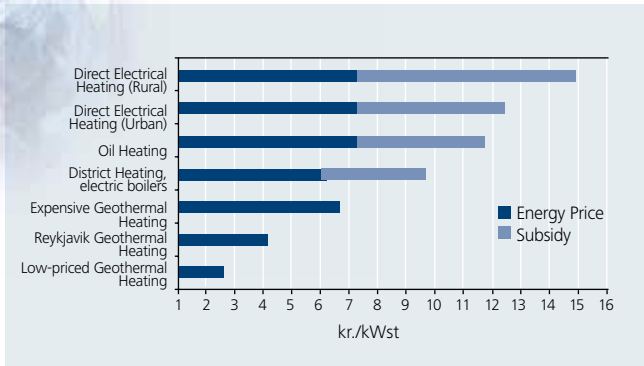
Source: Orkustofnun

# Installed capacity in hydro power plants 1913–2016

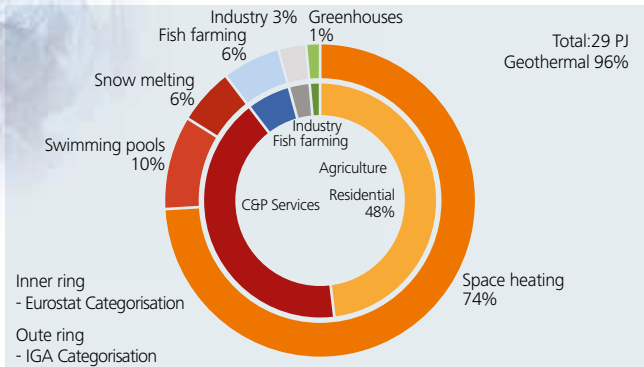


The numbered dots in the picture show the main hydro power plants in Iceland. The largest are specified (green dots).

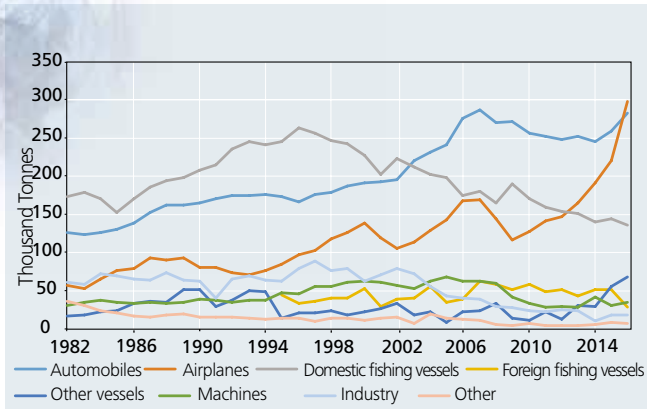
## Energy Price for House Heating in September 2016



## Final Heat Use 2016



## Oil consumption in Iceland 1982–2016





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

W: James Watt (1736-1819)

J: James Prescott Joule (1818-1889)

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

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.

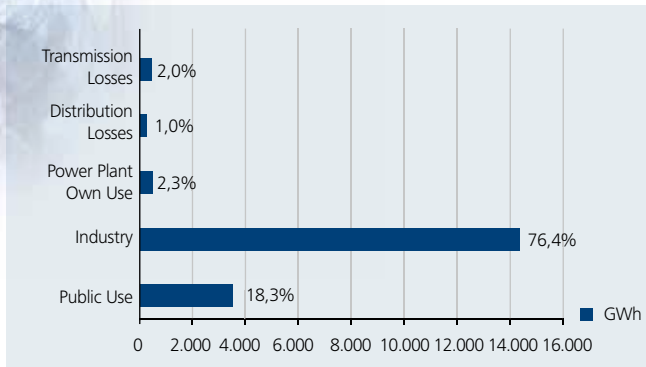
1 horsepower = 0,75 kW

1 toe = 41,9 GJ

1 Wh = 3,6 kJ

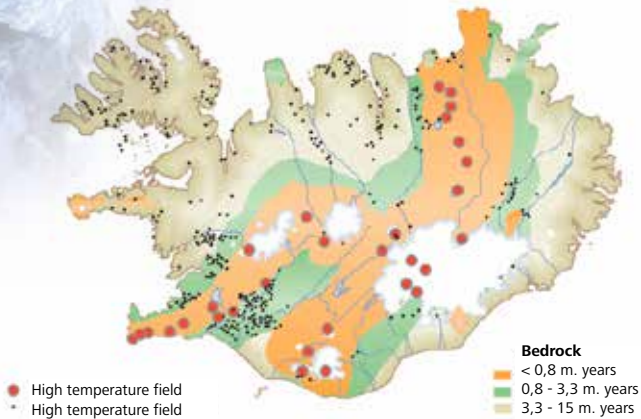
1PJ = 0,278 TWh

## Electricity consumption 2016

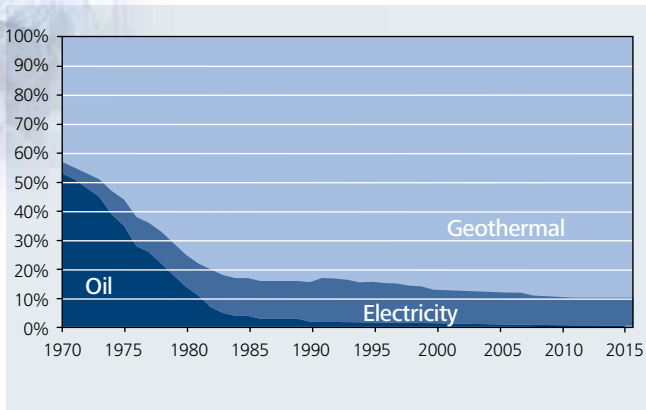


Source: Orkustofnun

## Geothermal fields

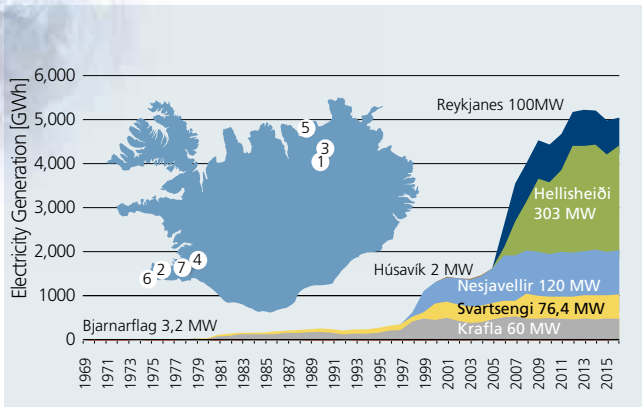


## Space heating 1970–2016



Source: Orkustofnun

# Electricity Generation of Geothermal Power Plants





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## **Energy Statistics in Iceland 2016**

Published 2017

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Energy statistics of Iceland available at our website and [gegnir.is](http://www.orkustofnun.is)  
- <http://www.orkustofnun.is/orkustofnun/gagnasofn/taalnaefni/>

**Editing:** Baldur Pétursson

**Design and layout:** Skaparinn Auglýsingastofa

**Printing:** Samskipti

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