

Efni/Subject: Talnaefni Orkustofnunar / Orkustofnun Data Repository
Titill/Title: Uppsett rafafi og raforkuframleiðsla í virkjunum á Íslandi 2018 / Installed electrical capacity and electricity production in Icelandic power stations 2018
Lykilorð/Keyword: Uppsett rafafi, jarðhiti, vindur, vatnsafi, eldsneyti, raforkuframleiðsla / Installed capacity, geothermal, wind, hydro, fuel, electricity production
Auðkenni/Identifier: OS-2019-T006-02
Útgáfudagur/Date: 22/08/2019
Síðast uppfært/Last edition: 20/03/2020
Höfundur/Creator: Orkustofnun
Tímabil/Period: 01.01.2018-31.12.2018
Tilvisun: Orkustofnun (2019). OS-2019-T006-01: Uppsett rafafi og raforkuframleiðsla í virkjunum á Íslandi 2018
Citation: Orkustofnun (2019). OS-2019-T006-01: Installed capacity and electricity production in Icelandic power stations in 2018

Tafla 1 : Uppsett rafafi og raforkuframleiðsla á Íslandi árið 2018 skipt eftir uppruna
Table 1: Installed electrical capacity in power plants and electricity production in Iceland 2018 by energy source

Uppruni Source	Uppsett rafafi [kW] Installed electrical capacity [kW]	Hlutfallsleg skipting Installed electrical capacity	Raforkuframleiðsla [MWh] Electricity production [MWh]	Hlutfallsleg skipting Electricity production
Vatnsafi / Hydro	1.990.074	70,63%	13.812.796	69,66%
Jarðhiti / Geothermal	753.200	26,73%	6.009.834	30,31%
Vindur / Wind	2.430	0,09%	4.363	0,02%
Eldsneyti / Fuel	71.971	2,55%	1.874	0,01%
Samtals / Total	2.817.675	100%	19.828.868	100%

Tafla 2 : Uppsett rafafi og raforkuframleiðsla í vatnsafsvirkjunum árið 2018
Table 2: Installed capacity and electricity production in hydro power plants 2018

Framleiðandi Producer	Heiti virkjunar Power Plant	Gangsetning [Ár] Operational [Year]	Uppsett rafafi [kW] Installed electrical capacity [kW]	Raforkuframleiðsla [MWh] Electricity production [MWh]
Fallorka	Djúpadalsvirkjun I/II	2004/2006	2.800	18.179
Landsvirkjun	Fljótsdalsstöð	2007	690.000	4.927.927
Landsvirkjun	Búrfell	1969	270.000	2.472.611
Landsvirkjun	Hrauneyjafoss	1981	210.000	1.271.507
Landsvirkjun	Sultartangi	1999	120.000	1.024.813
Landsvirkjun	Sigalda	1977	150.000	930.220
Landsvirkjun	Blanda	1991	150.000	825.538
Landsvirkjun	Búðarháls	2013	95.000	646.897
Landsvirkjun	Vatnsfell	2001	90.000	361.982
Landsvirkjun	Írafoss	1953	47.800	289.575
Landsvirkjun	Laxá	1939	27.500	176.921
Landsvirkjun	Steingrímsstöð	1959	26.400	157.045
Landsvirkjun	Ljósafoss	1937	14.600	113.893
Norðurorka	Glerárvirkjun II	2018	3.300	13.083
Norðurorka	Glerárvirkjun I	2005	307	614
Orka Náttúrunnar	Andakill	1947	8.200	33.709
Orkusalan	Lagarfoss I/II	1975/2007	27.200	207.014
Orkusalan	Skeiðfoss	1945	4.800	25.081
Orkusalan	Grímsá	1958	2.800	18.851
Orkusalan	Rjúkandi	1954	1.680	13.997
Orkusalan	Smyrlabjargá	1969	1.300	10.050
Orkubú Vestfjarða	Mjólka	1958	11.200	72.687
Orkubú Vestfjarða	pverárvirkjun	1953	2.200	7.099
Orkubú Vestfjarða	Fossárvirkjun	2015	1.200	5.157
Orkubú Vestfjarða	Tungudalsvirkjun	2006	700	4.653
Orkubú Vestfjarða	Reiðhjallavirkjun	1958	514	1.855
Orkubú Vestfjarða	Blævardalsárvirkjun	1975	288	1.650
Orkubú Vestfjarða	Fossa- og Nónhornsvatn	1937	1.160	1.394
Orkubú Vestfjarða	Mýrarárvirkjun	1965	60	303
Rafveita Reyðarfjarðar	Búðará	1930	240	1.937
Smávirkjun / Small scale	Bjólfsvirkjun	2008	6.400	47.078
Smávirkjun / Small scale	Gúlsvirkjun	2009	3.400	20.182
Smávirkjun / Small scale	Köldukvislarvirkjun	2013	2.790	14.610
Smávirkjun / Small scale	Múlavirkjun	2005	3.100	14.219
Smávirkjun / Small scale	Gönguskarðsá	2015	1.800	11.449
Smávirkjun / Small scale	Árteigsvirkjun	2005/2009	1.215	9.398
Smávirkjun / Small scale	Hvestuvirkjun	2004	1.430	7.868
Smávirkjun / Small scale	Urðarfellsvirkjun	2018	1.150	7.453
Smávirkjun / Small scale	Mosvallavirkjun	2016	890	6.954
Smávirkjun / Small scale	Ljósa	2007	980	5.962
Smávirkjun / Small scale	Sandárvirkjun	2003	701	4.931
Smávirkjun / Small scale	Lindá	2007	638	4.371
Smávirkjun / Small scale	Kiðárvirkjun I/II	2004	550	4.300
Smávirkjun / Small scale	Breiðadalsvirkjun	2012	456	4.072
Smávirkjun / Small scale	Botnsá	2001	480	3.889
Smávirkjun / Small scale	Kerahnjúkavirkjun	2004	370	2.741
Smávirkjun / Small scale	pverárvirkjun - Öndarfirði	2018	400	1.790
Smávirkjun / Small scale	Kaldárvirkjun	2018	400	1.767
Smávirkjun / Small scale	Skógargerði	2012	145	1.271
Smávirkjun / Small scale	Sængurfossárvirkjun	1976	720	844
Smávirkjun / Small scale	Tunguvirkjun	2001	144	473
Smávirkjun / Small scale	Selárvirkjun	2007	170	438
Smávirkjun / Small scale	Systragilsvirkjun	2005	108	360
Smávirkjun / Small scale	Bugavirkjun	2014	40	49
Smávirkjun / Small scale	Grenlækjavirkjun	2018	75	48
Smávirkjun / Small scale	Rollulækjavirkjun	2001	55	29
Smávirkjun / Small scale	Sleitustaðvirkjun	1986	218	10
Samtals / Total			1.990.074	13.812.796

Tafla 3: Uppsett rafafi og raforkuframleiðsla í jarðvarmavirkjunum árið 2018

Table 3: Installed electrical capacity and electricity production in geothermal power plants 2018

Framleiðandi	Heiti virkjunar	Gangsetning [Ár]	Uppsett rafafi [kW]	Raforkuframleiðsla [MWh]
Producer	Power Plant	Operational [Year]	Installed electrical capacity [kW]	Electricity production [MWh]
HS Orka	Reykjanes I/II	2006	100.000	809.968
HS Orka	Svartsengi	1977	76.400	587.084
Landsvirkjun	Krafla	1978	60.000	461.378
Landsvirkjun	Peistareykjavirkjun	2017	90.000	678.331
Landsvirkjun	Bjarnarflag	1969	3.200	245
Orka Náttúrunnar	Hellisheiði	2006	303.000	2.502.477
Orka Náttúrunnar	Nesjavellir	1998	120.000	970.345
Smávirkjun / Small scale	Flúðavirkjun	2018	600	7
Samtals / Total			753.200	6.009.834

Tafla 4: Uppsett rafafi og raforkuframleiðsla í vindorkuverum árið 2018

Table 4: Installed electrical capacity and electricity production in wind turbines 2018

Framleiðandi	Heiti virkjunar	Gangsetning [Ár]	Uppsett rafafi [kW]	Raforkuframleiðsla [MWh]
Producer	Power Plant	Operational [Year]	Installed electrical capacity [kW]	Electricity production [MWh]
Landsvirkjun	Hafið	2013	1.800	3.495
Smávirkjun / Small scale	Hábær (bykkvibær)	2014	600	868
Smávirkjun / Small scale	Belgsholt	2011	30	-
Samtals / Total			2.430	4.363

Tafla 5: Uppsett rafafi og raforkuframleiðsla í eldsneytisorkuverum árið 2018

Table 5: Installed electrical capacity and electricity production in fossil fuel power plants 2018

Framleiðandi	Heiti virkjunar	Gangsetning [Ár]	Uppsett rafafi [kW]	Raforkuframleiðsla [MWh]
Producer	Power Plant	Operational [Year]	Installed electrical capacity [kW]	Electricity production [MWh]
HS Veitur	Vestmannaeyjar	1973	5.070	130
HS Veitur	Hafnarfjörður	1999	1.100	-
HS Veitur	Selfoss		1.024	-
Landsnet	Bolungarvík	2014	10.800	240
Norðurorka	Laugaland	1993	1.200	-
Norðurorka	Akureyri, rafveita	1999	960	-
Norðurorka	Akureyri, Slippurinn	1999	600	-
Orkubú Vestfjarða	Flatey	2006	182	211
Orkubú Vestfjarða	Patreksfjörður	1964	4.300	184
Orkubú Vestfjarða	Bíldudalur	1973	1.200	96
Orkubú Vestfjarða	Ísafjörður, Mjósund	1976	4.300	10
Orkubú Vestfjarða	Hólmavík	1990	1.400	9
Orkubú Vestfjarða	Reykhólar		750	9
Orkubú Vestfjarða	Pingeyri	1980	1.520	7
Orkubú Vestfjarða	Súðavík	1986	1.400	7
Orkubú Vestfjarða	Suðureyri	1975	720	6
Orkubú Vestfjarða	Dranganes	1975	470	2
Orkubú Vestfjarða	Flateyri	1975	420	1
Orkubú Vestfjarða	Reykjanes		666	1
RARIK	Grimsey		681	795
RARIK	Grimstaðir á fjöllum	2017	100	47
RARIK	Ólafsvík		4.178	41
RARIK	Neskaupstaður		6.094	21
RARIK	Siglufjörður		-	13
RARIK	Skagaströnd		1.629	11
RARIK	Þórshöfn		2.234	9
RARIK	Stykkishólmur		1.160	7
RARIK	Vík í Mýrdal		1.281	6
RARIK	Seyðisfjörður		2.765	4
RARIK	Þakkafjörður		781	3
RARIK	Kirkjubæjarklaustur		729	3
RARIK	Búðardalur		551	2
RARIK	Vopnafjörður		6.000	-
RARIK	Fáskrúðsfjörður		2.599	-
RARIK	Raufarhöfn		1.127	-
RARIK	Húsavík		640	-
RARIK	Hrísey		551	-
RARIK	Stöðvarfjörður		551	-
RARIK	Mjólfjörður		238	-
RARIK	Grenivík		-	-
Samtals / Total			71.971	1.874

Tafla 6: Uppsett rafafi eftir framleiðanda 2018
Table 6: Installed electrical capacity by producer 2018

Framleiðandi	Uppsett rafafi - Vatnsafi [kW]	Uppsett rafafi - Jarðhiti [kW]	Uppsett rafafi - Vindorka [kW]	Uppsett rafafi - Eldsneyti [kW]	Samtals [kW]
Producer	Installed electrical capacity - Hydro [kW]	Installed electrical capacity - Geothermal [kW]	Installed electrical capacity - Wind [kW]	Installed electrical capacity - Fuel [kW]	Total [kW]
Landsvirkjun	1.891.300	153.200	1.800	-	2.046.300
Orka Náttúrunnar	8.200	423.000	-	-	431.200
HS Orka	-	176.400	-	-	176.400
Orkusalan	37.780	-	-	-	37.780
Orkubú Vestfjarða	17.322	-	-	17.328	34.650
RARIK	-	-	-	33.889	33.889
Smávirkanir / Small scale	28.825	600	630	-	30.055
Landsnet	-	-	-	10.800	10.800
HS Veitur	-	-	-	7.194	7.194
Norðurorka	3.607	-	-	2.760	6.367
Fallorka	2.800	-	-	-	2.800
Rafveita Reyðarfjarðar	240	-	-	-	240
Orkuveita Húsavíkur	-	-	-	-	-
Samtals / Total	1.990.074	753.200	2.430	71.971	2.817.675

Tafla 7: Raforkuframleiðsla eftir framleiðanda 2018
Table 7: Electricity production by producer 2018

Framleiðandi	Raforkuframleiðsla - Vatnsafi [MWst]	Raforkuframleiðsla - Jarðhiti [MWst]	Raforkuframleiðsla - Vindorka [MWst]	Raforkuframleiðsla - Eldsneyti [MWst]	Samtals [MWst]
Producer	Electricity production - Hydro [MWh]	Electricity production - Geothermal [MWh]	Electricity production - Wind [MWh]	Electricity production - Fuel [MWh]	Total [MWh]
Landsvirkjun	13.198.929	1.139.954	3.495	-	14.342.378
Orka Náttúrunnar	33.709	3.472.822	-	-	3.506.531
HS Orka	-	1.397.052	-	-	1.397.052
Orkusalan	274.992	-	-	-	274.992
Smávirkanir / Small scale	176.557	7	868	-	177.432
Orkubú Vestfjarða	94.797	-	-	542	95.340
Fallorka	18.179	-	-	-	18.179
Rafveita Reyðarfjarðar	1.937	-	-	-	1.937
Landsnet	-	-	-	240	240
RARIK	-	-	-	962	962
Norðurorka	13.697	-	-	-	13.697
HS Veitur	-	-	-	130	130
Orkuveita Húsavíkur	-	-	-	-	-
Samtals / Total	13.812.796	6.009.834	4.363	1.874	19.828.868



