Environmental data – Reykjavik Energy 2016, 2019-2022

The following table provides an overview of greenhouse gas emissions (GHG), Scope 1, 2 and 3, of Reykjavik Energy (OR) in 2016 and 2019 to 2021, and other information like energy utilization, waste and other KPIs. The year 2016 is the benchmark year for OR's climate goals, the dashed line around the column for 2016 in the table below reflects its status as a benchmark year.

KEY PERFORMANCE INDICATOR	UNIT	2016	2019	2020	2021	2022
Greenhouse gas emissions						
Scope 1 ¹	tCO ₂ eq	46,750	49,950	52,750	47,500	49,200
Scope 2 (market-based) ²	-	0	0	0	0	0
Scope 3 ³	-	1,400	1,300	1,300	1,100	1,900
CARBON FOOTPRINT	tCO₂eq	48,150	51,250	54,050	48,600	51,100
Mitigation and Offsetting	tCO ₂ eq	-6,500	-7,750	-7,800	-8,150	-8,050
Captured and mineralized CO ₂ from power plants	tCO ₂ eq	9,000	10,500	11,700	13,300	12,100
Net emisisons	tCO₂eq	41,650	43,500	46,250	40,450	43,050
Hydrogen sulfide emissions						
Captured and reinjected H2S using Carbfix	t H2S	4,900	6,300	5,800	7,500	6,200
Emissions of H2S into the atmosphere	t H2S	12,100	10,700	11,700	8,300	8,700
Carbon intensity						
Carbon intensity per unit of revenue	tCO _e íg/ma kr	1,163	1,100	1,112	936	896
		62	66	,	62	65
Carbon Intensity per unit of premises	tCO ₂ Ig/pus,m ^o	02	80	09	02	00
Carbon intensity per employee	tCO_2 ig/starfs,	92	80	CO	CO	C0
electricity	gCO ₂ íg/kWst	8.4	8.7	8.3	7.4	7.6
Carbon intensity per unit of distributed electricity	-	0.4	0.3	0.5	0.4	0.4
Total carbon intensity per unit of produced electricity and distributed electricity	-	8.8	9.0	8.8	7.8	8.0
Weighted average of carbon intensity for hot water (Veitur Utilities)	-	3.6	3.6	3.9	3.8	4.1
Resulting pollutants of the electricity system (Indexes from Orkustofnun) ^{4.5}	-	460.3	376.4	377.9	427.1	427.1
Energy use						
Total energy consumption	kWh	356.365.730	369.808.810	387.756.920	367.788.855	397.321.216
There of fossil fuel	kWh	2,704,130	2,574,810	2,605,920	2,166,720	1,965,324
Vehicle fleet	liters	221,650	211,050	213,600	177,600	192,800
There of electricity	kWh	319,432,000	329,822,000	352,491,000	335,310,501	359,090,000
There of hot water	-	34,229,600	37,412,000	32,660,000	30,311,634	36,265,892
Percentage of renewable energy	%	99.2%	99.3%	99.3%	99.4%	99.5%
Electricity usage without Guaranties of origin (GoOs)	MWh	0	0	0	0	0
Hot and cold water						
Total hot and cold-water consumption	m ³	72,878,734	72,342,581	83,721,610	77,070,592	87,435,274
There of cold water	-	72,287,534	71,696,431	83,157,610	76,547,092	86,810,000
There of hot water	-	591,200	646,150	564,000	523,500	625,274
Waste						
Total waste generated annually	kg	1,412,750	1,585,000	2,029,030	1,259,445	1,770,201
Worksite waste	-	1,336,000	1,487,100	1,965,360	1,176,060	1,660,130
Office waste	-	44,650	50,000	24,700	22,330	19,615
Organic waste	-	20,200	37,700	23,700	25,840	25,775
Hazardous waste	-	11,900	10,200	15,270	35,215	64,681
Categorized waste	kg	1,301,850	1,450,700	1,907,330	1,159,965	1,686,936
Uncategorized waste	-	111,000	134,300	121,700	99,480	83,265
Ratio of categorized waste	%	92%	92%	94%	92%	95%
There of waste for landfill diversion	kg	1,139,000	1,340,900	1,749,932	851,595	1,419,346
There of recycled waste	k-	261,850	244,100	279,098	407,850	350,855
Ratio of recycled waste	%	18.5%	15.4%	13.8%	32.4%	19.8%
Ratio of hazardous waste	-	0.8%	0.6%	0,8%	2.8%	3.7%

KEY PERFORMANCE INDICATOR	UNIT	2016	2019	2020	2021	2022
Ratio of waste for landfill diversion	-	80.6%	84.6%	86,2%	67.6%	80.2%
Office paper consumption						
Total paper consumption	#sheets	631,400	365,050	161,500	188,170	173,106
There of colour printing	-	-	245,150	100,400	82,926	88,262
There of black/white printing	-	-	119,900	61,100	105,244	84,844
Total paper consumption (bills) ⁶	#sheets	717,700	512,950	426,100	457,937	391,540
Envelopes (bills) ⁶	#envelopes	362,750	252,100	345,200	383,718	327,884
More information from operations						
	ISK	1.239.075	1.832.870	2.001.565	1.696.250	1.966.830
	ISK	.,	16.7	_,,	0.5	10.7
Financing of green projects	ISK bn	0	10.7	24.0	C.6	10.7
Revenue	ISK bn	41.4	46.6	48.6	51.9	57.0
Full-time employees	#	524	639	639	569	603
Owned premises (space)	thousand m ³	780	780	780	790	790
Total production of water	m ³	112,151,000	121,266,000	127,467,000	121,858,000	121,781,000
There of cold water	-	27,803,000	29,313,000	26,389,000	26,205,000	26,935,000
There of hot water from geoth. power plants	-	35,893,000	39,100,000	47,452,000	49,060,000	50,620,000
There of hot water from low temp, fields	-	48,455,000	52,853,000	53,626,000	46,593,000	44,226,000
Relative reinjection of high-temperature geothermal water	%	68%	72%	70%	75%	72%
Issued Guarantees of Origin (GoO)	MWh	3,152,754	3,276,960	3,312,447	3,283,723	3,187,580
Total production of energy	TWh	8.3	8.8	9.4	9.1	9.0
There of electricity production	-	3.4	3.5	3.6	3.5	3.5
There of hot water from geoth. power plants	-	2.1	2.2	2.7	2.8	2.9
There of hot water from low temp, fields	-	2.8	3.1	3.1	2.7	2.6
Electrical guarantees of origin (GoOs)7	MWh	3,152,754	3,276,960	3,312,447	3,283,723	3,187,580
Own cars and rented vehicles	#cars	177	218	217	194	221
There of ICE vehicles		116	126	125	115	127
There of electricity	-	21	40	45	42	55
There of plug-in hybrid	-	2	9	9	10	17
There of hybrid	-	19	9	8	1	0
There of methane	-	19	28	25	20	16
There of hydrogen	-	0	6	5	6	6
BREAKDOWN OF DATA						
Scope 1						
Scope 1, total direct emissions ¹	tCO ₂ eq	46,750	49,950	52,750	47,500	49,200
There of CO ₂	-	-	-	-	44,050	45,900
There of CH 4	-	-	-	-	3,400	3,300
There of N ₂ O	-	-	-	-	0	0
There of HCF-134a	-	-	-	-	0	0
There of SF ₆	-	-	-	-	50	0
Emissions from production	-	46,200	49,500	52,300	47,100	48,800
Emissions from fuel consumption	-	550	450	450	400	400
Fuel consumption of automobiles	liters	221,650	211,050	213,600	177,600	192,800
There of methane	m ³	12,300	33,500	38,050	32,600	28,600
There of petrol	liters	22,700	10,500	5,850	5,000	7,600
There of diesel	-	186,650	167,050	169,700	140,000	156,600
Scope 2						
Scope 2 indirect emissions (marked-based) ²	tCO ₂ eq	0	0	0	0	0
Seene 3	100204					
Scope 5		1 120	1 /85	1 210	1 1 2 5	1 900
Scope 3. total emissions3	tCO ₂ eq	1,120	1,405	1,210	1,125	1,300
There of emissions from waste	-	300	325	400	250	340
r nere of emissions due to employee's air travel	-	60	100	20	5	70
There of emissions due to commuting ⁸	-	110	110	40	70	90
There of constructions and maintenance Mitigation projects ⁹	-	650	950	750	800	1,400
initigation projecto						
CO compartmentions have been done of the	100	-6.400	-7 750	-7 800	-8 150	-8 050

KEY PERFORMANCE INDICATOR	UNIT	2016	2019	2020	2021	2022
There of land reclamation	-	-1,250	-1,300	-1,300	-1,300	-1,300
There of forestry	-	-5,200	-5,200	-5,250	-5,300	-5,300
There of reclamation of wetlands	-	50	0	0	0	0
There of offsetting by wetland Votlendis- sjóður Fund and UN Cancelling CERs	-	0	-1,250	-1,250	-1,550	-1,450

¹ Scope1 or direct emissions from Reykjavik Energy (RE) operations is from the production of electricity and hot water at ON Power's geothermal power plants, emissions for Veitur Utilities' and from the car fleet of the RE. In 2020, emissions from geothermal power plants increased due to increased energy production at the Hellisheidi power plant and the high concentration of carbon dioxide in a powerful borehole.

in Hverahlið which was connected to the power plant ² Scope 2, indirect emissions from purchased electricity and heating for own use, Scope 2 are zero. The reason is that RE is producing electricity for the national grid and emission due to electrical productions are already counted for in Scope 1, in order to prevent double counting, no emissions are counted in Scope 2, GoOs were annulled for the RE Group in 2016 - 2020 but not for Veitur, the mother company and Reykjavik Fibre Networks in 2015.

Scope 3, indirect emissions from waste as well as emission from employees commuting and their air travel.

⁴ Electrical Guaranties of origin (GoOs) in Iceland on Orkustofnun's web, https://orkustofnun,is/firtliokkur/raforkunotandinn/uppruni-raforku/aforku.

⁵ GoOs for 2020 will be published in the first half of 2021 and the same number is therefore used in 2020 and 2019.

⁶ ON Power and Veitur are no longer on a joint claim, therefore there is an increase in postal items and envelopes between the years 2019 and 2020.

⁷ Goos are issued for net production of the ON Power's plants, i.e. quantities produced less own use, Goos are then used to confirm the origin of electricity consumption by customers on the general market. If interested, heavy industry in located is offered GoOs, as well as other interested parties.

⁹Landreclamation: Sequestration of 2,75tCO₂e per ha/yr, Forestry: 6,3t CO₂eq per ha/yr and 2,000 trees/yr. As a result of reclaiming, wetlands emissions is reduced by 20 tCO₂eq/ha/yr.