

Efni/Subject: Tainafni Orkustofnunar / Orkustofnun Data Repository

Titill/Title: Sparnaður í losun koldíoxíds með nýtingu endurnýjanlegra orkusjafa í stað olu / CO<sub>2</sub> savings using renewable energy instead of oil

Lýkilorð/Keyword: Koldíoxíð, losun, gróðurhúslofttegundir, jarðhiti, varmaorka, raforka, vatnsorka, endurnýjanleg orka / Carbon Dioxide, greenhouse gases, geothermal, hydro, power, heat, renewable

Auðkenni/Identifier: OS-2019-T011-01

Síðast uppfært/last edition: 16.10.2019

Höfundur/Creator: Orkustofnun

Timabil/Period: 1.1.1914-31.12.2018

Tilvisun: Orkustofnun (2019). OS-2019-T011-01: Sparnaður í losun koldíoxíds með endurnýjanlegri orku í stað olu [tölvsjaf].

Citation: Orkustofnun (2019). OS-2019-T011-01: CO<sub>2</sub> savings using renewable energy instead of oil [data file].

Tafla 1: Sparnaður í losun koldíoxíds með nýtingu endurnýjanlegra orkusjafa í stað olu.

Table 1: CO<sub>2</sub> savings using renewable energy instead of oil.

Ár / Year	Orkunotkun / Energy Utilization			Árlegur CO <sub>2</sub> sparnaður / CO <sub>2</sub> yearly savings			Uppsafnaður CO <sub>2</sub> sparnaður / CO <sub>2</sub> accumulative savings				
	Varmi- jarðhiti/ Geothermal Heat	Raforka - jarðvarmi/ Electricity - Geothermal	Raforka - vatnsorka/ Electricity - Hydro	Varmi- jarðhiti/ Geothermal Heat	Raforka - jarðvarmi/ Electricity - Geothermal	Raforka - vatnsorka/ Electricity - Hydro	Samtals / Total	Varmi- jarðhiti/ Geothermal Heat	Raforka - jarðvarmi/ Electricity - Geothermal	Raforka - vatnsorka/ Electricity - Hydro	Samtals / Total
	[MWh]	[MWh]	[MWh]	[tonnes]	[tonnes]	[tonnes]	[tonnes]	[tonnes]	[tonnes]	[tonnes]	[tonnes]
2018	9.044.722	6.009.834	13.812.796	3.699.291	4.910.034	11.285.054	18.894.380	112.765.587	61.889.968	258.790.374	433.445.929
2017	7.875.556	5.169.598	14.058.722	3.221.102	4.223.562	11.485.976	18.930.640	109.066.295	56.979.394	247.505.320	413.551.549
2016	9.341.028	5.067.280	13.469.596	3.820.480	4.139.968	11.004.660	18.965.108	105.845.193	52.756.372	236.019.344	394.620.909
2015	7.689.528	5.003.003	13.780.770	3.145.017	4.087.453	11.258.889	18.491.359	102.024.713	48.616.404	225.014.684	375.655.801
2014	7.805.556	5.238.000	12.873.000	3.192.472	4.279.446	10.517.241	17.986.159	98.679.696	44.528.951	213.755.795	357.164.442
2013	7.500.000	5.245.000	12.863.000	3.067.500	4.285.165	10.509.071	17.861.736	95.687.233	40.249.205	203.238.554	338.175.282
2012	7.388.889	5.210.000	12.337.000	3.022.056	4.256.570	10.079.329	17.357.955	92.619.723	35.964.340	192.729.483	321.131.546
2011	7.138.889	4.701.000	12.507.000	2.919.806	3.840.717	10.218.219	16.978.742	89.597.668	31.707.770	182.650.154	303.955.592
2010	7.083.333	4.465.000	12.592.000	2.897.083	3.647.905	10.287.664	16.832.652	86.677.862	27.867.053	172.431.935	286.976.850
2009	7.083.333	4.553.000	12.279.000	2.897.083	3.749.901	10.019.913	16.648.827	83.780.773	24.219.148	162.144.271	270.144.198
2008	7.027.778	4.038.000	12.427.000	2.874.361	3.299.046	10.152.859	16.326.266	80.883.696	20.449.347	152.112.328	253.495.371
2007	6.958.333	3.579.000	8.394.000	2.845.958	2.924.043	6.857.898	12.627.899	68.589.344	17.200.301	141.959.469	237.169.105
2006	6.627.778	2.631.000	7.289.000	2.710.761	2.149.527	5.955.113	10.815.401	75.163.376	14.276.258	135.101.571	224.541.205
2005	6.377.778	1.658.000	7.015.000	2.608.511	1.354.586	5.731.255	9.694.352	72.452.615	12.126.331	129.146.458	211.725.804
2004	6.300.000	1.484.000	7.131.000	2.576.700	1.212.428	5.826.027	9.615.155	69.844.104	10.772.145	123.415.203	204.031.452
2003	6.155.556	1.406.000	7.082.000	2.517.622	1.148.702	5.785.994	9.452.318	67.267.404	9.559.717	117.589.170	194.416.297
2002	6.025.000	1.433.000	6.972.000	2.464.225	1.170.761	5.696.124	9.331.110	64.749.182	8.411.015	111.803.182	184.963.979
2001	5.908.333	1.451.000	6.922.000	2.416.508	1.185.467	5.370.958	8.972.933	62.285.557	7.240.254	106.107.058	175.632.869
2000	5.755.556	1.323.000	6.252.000	2.254.023	1.080.891	5.189.915	8.624.947	59.869.048	6.054.787	100.736.000	166.659.935
1999	5.438.889	1.138.000	6.043.000	2.224.506	929.746	4.937.131	8.091.383	57.515.026	4.973.896	95.546.516	158.035.438
1998	5.275.000	655.000	5.617.000	2.157.475	535.135	4.589.609	7.281.699	55.290.521	4.044.150	90.609.385	149.944.056
1997	5.258.333	375.000	5.203.000	2.150.658	306.375	4.250.811	6.707.884	53.133.046	3.509.015	86.200.296	142.662.357
1996	5.156.333	346.000	4.764.000	2.109.758	281.682	3.892.188	6.288.628	50.982.887	3.202.640	81.769.445	135.954.472
1995	5.341.667	390.000	4.678.000	2.184.742	296.930	3.811.926	6.243.958	48.872.629	2.919.958	77.827.257	129.669.844
1994	5.222.222	260.000	4.511.000	2.135.889	212.420	3.685.847	6.033.796	46.687.887	2.683.028	74.055.331	123.426.246
1993	5.141.667	254.000	4.462.000	2.102.942	207.518	3.645.454	5.955.914	44.551.998	2.470.608	70.369.844	117.392.450
1992	5.152.778	230.000	4.306.000	2.107.486	187.910	3.518.027	5.813.398	42.449.057	2.263.990	66.724.390	111.436.537
1991	4.933.333	267.000	4.154.000	2.017.733	215.139	3.399.818	5.629.180	40.341.571	2.075.180	63.206.388	105.623.139
1990	4.961.111	283.000	4.159.000	2.029.904	231.211	3.397.903	5.658.208	38.323.837	1.857.041	59.983.570	99.993.448
1989	5.032.769	258.000	4.213.000	2.058.403	210.786	3.442.021	5.711.210	36.294.743	1.625.880	56.414.667	94.335.240
1988	4.931.325	246.000	4.165.000	2.016.912	200.982	3.402.805	5.620.699	34.236.340	1.415.044	52.972.646	88.624.030
1987	4.568.379	234.000	3.914.000	1.868.467	191.178	3.197.738	5.257.383	32.219.428	1.214.062	49.569.841	83.003.331
1986	4.643.889	212.000	3.842.000	1.899.355	173.204	3.138.514	5.211.473	30.350.961	1.022.884	46.372.103	77.745.948
1985	4.595.431	171.000	3.663.000	1.879.531	139.707	2.992.617	5.011.909	28.451.606	849.680	43.233.189	72.534.475
1984	4.569.507	173.000	3.738.000	1.868.928	141.341	3.053.946	5.064.215	26.572.075	709.973	40.240.518	67.522.566
1983	4.590.923	172.000	3.588.000	1.877.687	140.524	2.931.396	4.949.607	24.703.147	568.632	37.186.572	62.458.351
1982	4.356.473	159.000	3.407.000	1.781.788	129.903	2.783.519	4.695.230	22.825.459	428.108	34.255.176	57.508.743
1981	4.125.406	123.000	3.085.000	1.687.291	100.491	2.520.445	4.308.227	21.043.662	298.205	31.471.657	52.813.524
1980	3.624.947	45.000	3.053.000	1.482.603	36.765	2.494.301	4.013.669	19.356.371	197.714	28.511.627	48.505.297
1979	3.542.664	46.000	2.819.000	1.448.950	37.582	2.303.123	3.789.655	17.873.768	160.949	26.456.911	44.491.628
1978	2.954.286	18.000	2.605.000	1.206.600	14.706	2.135.706	3.233.804	15.333.867	24.153.867	24.153.788	40.701.973
1977	2.850.588	16.000	2.520.000	1.165.890	13.072	2.058.840	3.237.800	12.615.515	108.651	22.025.503	37.350.679
1976	2.550.763	19.000	2.350.000	1.043.262	15.523	1.919.590	2.978.735	14.050.625	95.589	19.966.663	34.112.877
1975	2.533.856	18.000	2.206.000	1.036.347	14.706	1.802.302	2.853.355	13.007.363	80.066	18.046.713	31.134.142
1974	2.271.227	8.000	2.259.000	928.932	6.536	1.844.786	2.780.254	11.971.016	65.380	16.244.411	28.280.787
1973	2.190.073	24.000	2.181.000	895.739	159.608	1.761.777	2.497.234	11.992.084	58.824	14.399.625	25.500.533
1972	1.931.952	22.000	1.903.000	790.168	17.974	1.391.351	2.199.493	10.146.344	39.216	12.617.748	22.803.308
1971	1.825.999	12.000	1.540.000	746.834	9.804	1.258.180	2.014.818	9.356.176	21.242	11.226.397	20.603.815
1970	1.722.300	12.000	1.413.000	704.421	9.804	1.154.421	1.868.646	8.609.342	11.438	9.968.217	18.588.997
1969	1.538.221	2.000	866.000	629.132	1.634	702.620	1.333.386	7.984.321	1.634	8.613.796	16.720.351
1968	1.472.523	-	687.000	602.362	-	561.278	1.163.541	7.275.789	-	8.111.176	15.386.965
1967	1.396.632	665.000	571.222	543.305	-	543.305	1.114.527	6.673.827	7.549.897	14.223.424	12.223.424
1966	1.201.806	624.000	491.538	509.808	-	509.808	1.001.346	6.102.304	-	7.006.592	13.108.896
1965	1.026.236	641.000	419.730	419.730	-	419.730	943.427	5.610.766	6.496.784	12.107.550	12.107.550
1964	950.344	652.000	388.691	388.691	-	388.691	593.025	5.973.069	5.973.069	11.164.123	11.164.123
1963	848.400	629.000	346.996	346.996	-	346.996	860.889	4.802.345	4.802.345	5.439.586	10.241.931
1962	756.650	593.000	309.470	309.470	-	309.470	793.951	4.455.349	4.455.349	4.925.693	9.381.042
1961	676.238	576.000	276.577	276.577	-	276.577	747.169	4.441.212	4.441.212	4.441.212	8.587.991
1960	660.370	523.000	270.991	270.991	-	270.991	697.392	3.869.392	3.869.392	3.869.392	7.838.922
1959	636.583	470.000	260.363	260.363	-	260.363	644.353	3.543.325	3.543.325	3.543.325	7.142.540
1958	577.682	431.000	236.272	236.272	-	236.272	588.399	3.338.848	3.338.848	3.338.848	6.498.187
1957	562.957	415.000	230.249	230.249	-	230.249	569.304	3.102.576	3.102.576	3.102.576	5.909.788
1956	548.232	406.000	224.227	224.227	-	224.227	555.929	2.872.327	2.872.327	2.872.327	5.340.484
1955	548.232	372.000	214.227	214.227	-	214.227	533.870	2.648.100	2.648.100	2.648.100	4.784.555
1954	491.596	327.000	201.063	201.063	-	201.063	468.222	2.423.873	2.423.873	2.423.873	4.250.685
1953	472.340	193.187	193.187	193.187	-	193.187	354.953	2.222.810	2.222.810	2.222.810	3.782.463
1952	459.880	176.000	188.091	188.091	-	188.091	331.883	2.029.623	2.029.623	2.029.623	3.427.510
1951	459.880	170.000	188.091	188.091	-	188.091	326.981	1.			

