

**Efni/Subject:** Talnaefni Orkustofnunar / Orkustofnun Data Repository  
**Titill/Title:** Gaslosun jarðvarmavirkjana og hitaveitna 1969-2015 / Gas Emissions of Geothermal Power Plants and Utilities 1969-2015  
**Lykilorð/Keyword:** Gaslosun, gastegund, CO2, H2S, CH4, jarðvarmavirkjun, hitaveita / Gas emissions, gases, CO2, H2S, CH4, geothermal power plant, geothermal heat plant  
**Auðkenni/Identifier:** OS-2016-T007-01  
**Útgáfudagur/Date:** 23.5.2016  
**Síðast uppfært/Last edition**  
**Höfundur/Creator:** Orkustofnun  
**Tímabil/Period:** 1.1.1969-31.12.2015  
**Tilvísun:** Orkustofnun (2016). OS-2016-T007-01: Gaslosun jarðvarmavirkjana og hitaveitna 1969-2015 [tölvuskjal].  
**Citation:** Orkustofnun (2016). OS-2016-T007-01: Gas Emissions of Geothermal Power Plants and Utilities 1969-2015 [data file].

| Virkjun eða svæði / Plant or area | Hnit / Coordinates |        | Heildarlosun gastegunda út í andrúmsloftið / Total gas release into the atmosphere |         |         |         |         |         |         |         |         |         |         |
|-----------------------------------|--------------------|--------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                   | X                  | Y      | Gastegund / Gas Type   | 2015    | 2014    | 2013    | 2012    | 2011    | 2010    | 2009    | 2008    | 2007    | 2006    |
| Reykjanesvirkjun (Power Plant)    | 318910             | 374281 | CO2 (tonne/annum)  | 23.791  | 26.677  | 21.255  | 21.190  | 22.114  | 26.102  | 24.651  | 24.310  | 27.021  | 19.710  |
|                                   |                    |        | H2S (tonne/annum)  | 865     | 941     | 779     | 800     | 819     | 880     | 766     | 879     | 925     | 651     |
|                                   |                    |        | CH4 (tonne/annum)  | 3       | 3       | 2       | 2       | 2       | 2       | 2       | 2       | 2       | 3       |
| Svartsengi (CHP Plant)            | 331640             | 379650 | CO2 (tonne/annum)  | 56.212  | 65.087  | 58.712  | 47.503  | 61.153  | 47.974  | 43.427  | 61.182  | 34.985  | 46.537  |
|                                   |                    |        | H2S (tonne/annum)  | 969     | 1.136   | 1.106   | 848     | 1.128   | 903     | 844     | 1.126   | 663     | 802     |
|                                   |                    |        | CH4 (tonne/annum)  | 5       | 6       | 5       | 4       | 5       | 4       | 4       | 4       | 4       | 3       |
| Hellisheiði (CHP Plant)           | 384646             | 395223 | CO2 (tonne/annum)  | 33.077  | 38.861  | 44.934  | 43.158  | 39.479  | 41.722  | 35.325  | 32.937  | 24.210  |         |
|                                   |                    |        | H2S (tonne/annum)  | 6.384   | 8.484   | 12.374  | 16.881  | 16.110  | 13.340  | 8.581   | 10.323  | 6.902   |         |
|                                   |                    |        | CH4 (tonne/annum)  | 80      | 81      | 72      | 51      | 57      | 46      | 36      | 30      | 20      |         |
| Nesjavellir (CHP Plant)           | 389713             | 402461 | CO2 (tonne/annum)  | 14.726  | 16.579  | 14.794  | 18.612  | 14.800  | 28.396  | 19.918  | 20.904  | 15.412  | 12.673  |
|                                   |                    |        | H2S (tonne/annum)  | 8.350   | 9.275   | 8.709   | 11.349  | 9.414   | 9.384   | 12.175  | 12.114  | 10.275  | 8.650   |
|                                   |                    |        | CH4 (tonne/annum)  | 54      | 55      | 46      | 28      | 47      | 111     | 24      | 24      | 26      |         |
| Hveragerði (Heat Plant)           | 392903             | 390530 | CO2 (tonne/annum)  | 160     | 160     | 160     | 160     | 160     | 160     | 160     | 160     | 160     | 160     |
|                                   |                    |        | H2S (tonne/annum)  | 10      | 10      | 10      | 10      | 10      | 10      | 10      | 10      | 10      | 10      |
|                                   |                    |        | CH4 (tonne/annum)  | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Bjarnarflag (CHP Plant)           | 599411             | 572753 | CO2 (tonne/annum)  | 33      | 296     | 300     | 956     | 1.292   | 530     | 826     | 962     | 1.973   | 2.830   |
|                                   |                    |        | H2S (tonne/annum)  | 477     | 447     | 539     | 826     | 1.603   | 813     | 930     | 1.176   | 1.189   | 1.231   |
|                                   |                    |        | CH4 (tonne/annum)  | 4       | 4       | 7       | 11      | 17      | 7       | 8       | 23      |         |         |
| Krafla (Power Plant)              | 602545             | 580265 | CO2 (tonne/annum)  | 32.483  | 34.395  | 32.307  | 38.604  | 39.683  | 44.100  | 44.145  | 44.515  | 43.607  | 45.514  |
|                                   |                    |        | H2S (tonne/annum)  | 4.483   | 4.520   | 4.392   | 5.151   | 5.180   | 5.321   | 4.773   | 5.424   | 4.681   | 4.915   |
|                                   |                    |        | CH4 (tonne/annum)  | 11      | 11      | 7       | 14      | 12      | 13      | 18      | 19      |         |         |
| Peistareykir (Power Plant)        | 592992             | 599039 | CO2 (tonne/annum)  | 2.345   | 895     | 672     | 1.863   | 827     | 656     | 1.654   | 964     | 0       | 0       |
|                                   |                    |        | H2S (tonne/annum)  | 971     | 391     | 136     | 246     | 570     | 523     | 462     | 613     | 0       | 0       |
|                                   |                    |        | CH4 (tonne/annum)  | 1       | 1       | 0       | 1       | 0       | 0       | 0       | 0       |         |         |
| Samtals / Total                   |                    |        | CO2 (tonne/annum)  | 162.827 | 182.950 | 173.134 | 172.046 | 179.508 | 189.640 | 170.107 | 185.934 | 147.368 | 127.423 |
| Samtals / Total                   |                    |        | H2S (tonne/annum)  | 22.509  | 25.204  | 28.045  | 36.111  | 34.834  | 31.174  | 28.541  | 31.665  | 24.646  | 16.259  |
| Samtals / Total                   |                    |        | CH4 (tonne/annum)  | 158     | 161     | 139     | 111     | 140     | 183     | 92      | 102     | 52      | 4       |



