

Production at Nesjavellir, enthalpy and reinjection by release route

Production at Nesjavellir (million tons per annum) from 1972 to 2017, weighted average enthalpy (kJ/kg) and reinjection of geothermal water and heated groundwater (million tons per annum).

The light blue colour show the volume of geothermal water (million tons per annum) re-injected into wells. The dark blue colour shows the volume of heated groundwater reinjected via a production well in Kýrdalur. The red line shows the enthalpy of the geothermal fluid (kJ/kg) from 1972 to 2017 since the heat is a yardstick for the energy content of the geothermal fluid. The lower figure shows the ratio of the renewal, i. e. mass balance of the system. In 2017 approximately 50% of the produced fluid was reinjected below the upper groundwater layers.

