

# OR Annual report 2020

## Appendices



Emissions of carbon dioxide & hydrogen sulphide and emission intensity from Hellisheidi and Nesjavellir



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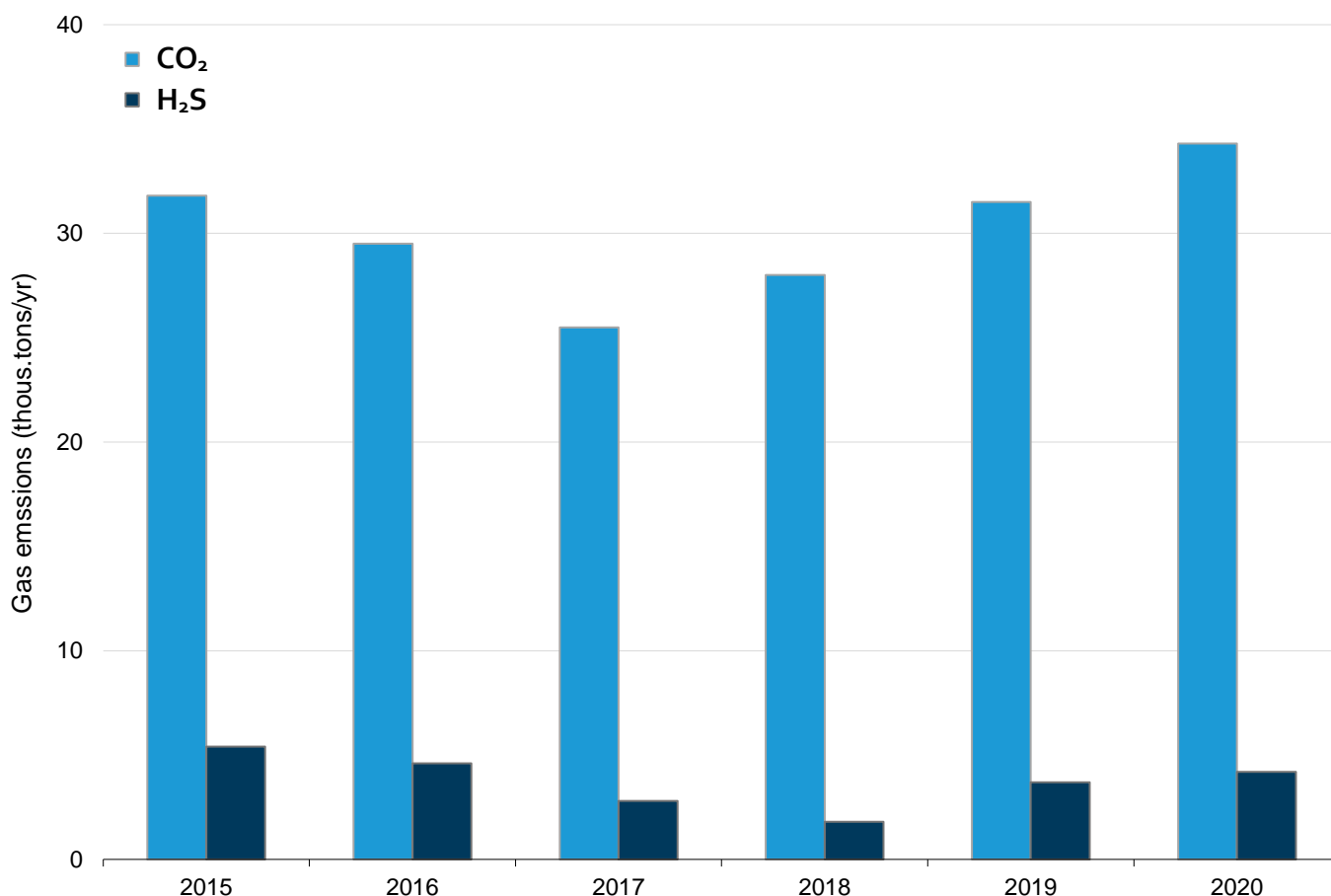
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Cover photo: Gretar Ivarsson

# Emissions of carbon dioxide (CO<sub>2</sub>), hydrogen sulphide (H<sub>2</sub>S), methane (CH<sub>4</sub>) and hydrogen (H<sub>2</sub>) from Hellisheidi & Nesjavellir 2015-2020

Margins of error estimated at 5%.

## Hellisheidi



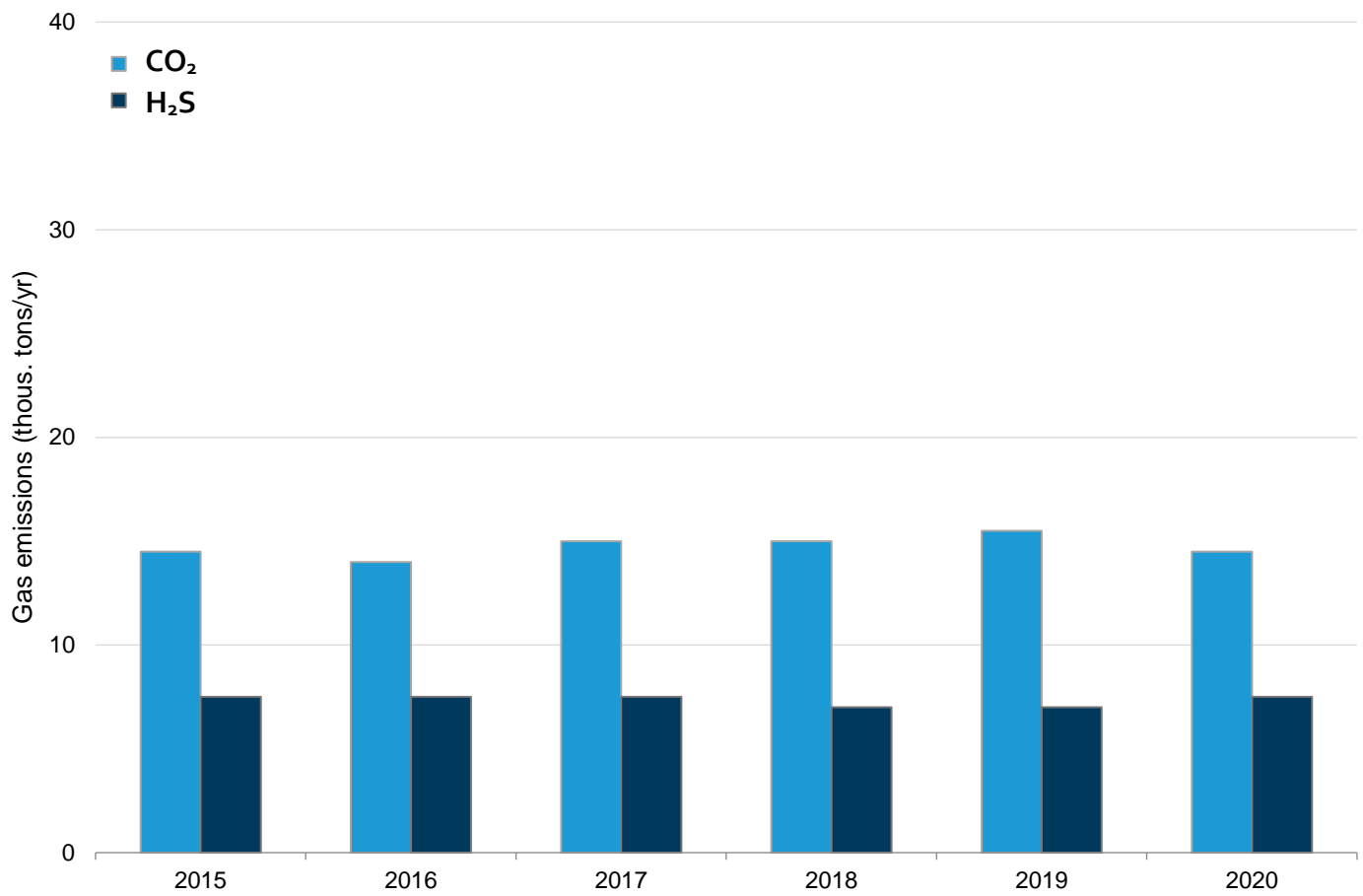
Year	CO <sub>2</sub> tons/yr	H <sub>2</sub> S tons/yr	H <sub>2</sub> tons/yr	CH <sub>4</sub> tons/yr
2015	31,800	5,400	320	65
2016	29,500	4,600	350	60
2017	25,500	2,800	340	55
2018	28,000	1,800	380	55
2019	31,500	3,700	350	55
2020	34,300	4,200	380	80

Commentary 2020:

1) CO<sub>2</sub> and H<sub>2</sub>S dissolved and reinjected in condensate water subtracted. First done in 2015.

2) Approx. 9,400 tons of CO<sub>2</sub> and um 4,600 tons of H<sub>2</sub>S were reinjected to the geothermal reservoir.

## Nesjavellir

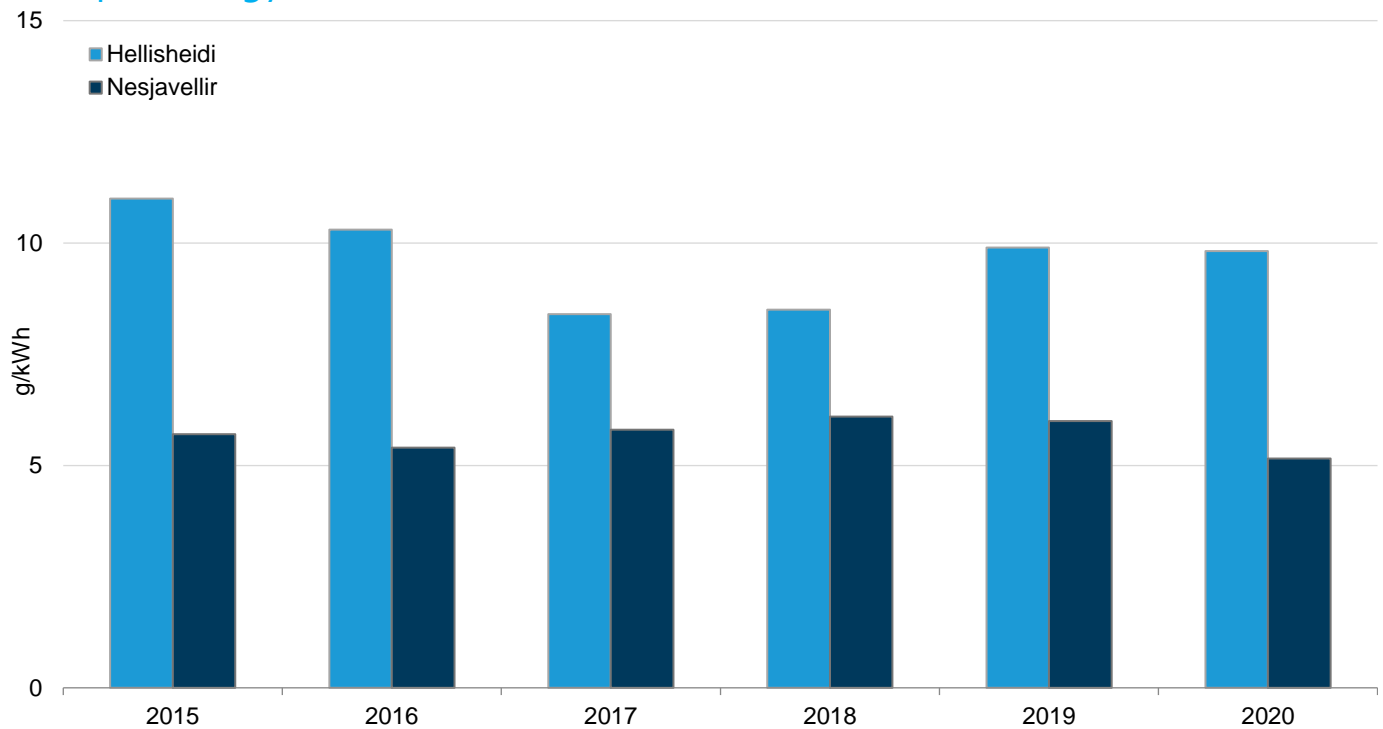


Year	CO <sub>2</sub> tons/yr	H <sub>2</sub> S tons/yr	H <sub>2</sub> tons/yr	CH <sub>4</sub> tons/yr
2015	14,500	7,500	410	45
2016	14,000	7,500	400	40
2017	15,000	7,500	380	35
2018	15,000	7,000	350	30
2019	15,500	7,000	370	35
2020	14,500	7,500	430	50

# Emissions of hydrogen sulphide and carbon dioxide per unit of energy from Hellisheidi and Nesjavellir power plants 2015-2020

There are substantial differences in emissions from the power plants, which can be attributed to, among other things, variable gas quantities and concentrations between fields and years.

## CO<sub>2</sub> per energy unit



## H<sub>2</sub>S per energy unit

