

Earthstone's "Do the Right Thing" approach and proactive emissions and flaring initiatives are demonstrated by:



2021 Greenhouse Gas Emissions Intensity of 7.9  
(mT CO<sub>2</sub>e/Mboe)



2021 Flaring Intensity of 0.7%  
(operated gas flared/operated gas produced)

**36%**

Reduction vs. 2020

**44%**

Below Permian  
Peers Avg.<sup>2</sup>

**68%**

Reduction vs. 2020

**66%**

Below Permian  
Peers Avg.<sup>2</sup>

Greenhouse Gas Emissions	Unit of Measure	2020	2021
Carbon Dioxide Emissions	Metric Tons	79,485	111,391
Methane Emissions	Metric Tons	540	574
Nitrous Oxide Emissions	Metric Tons	0.2	0.3
Total GHG Emissions	mT CO <sub>2</sub> e	93,042	125,829
Total Gross Operated Production	Mboe (6:1)	7,489	15,832
GHG Intensity	mT CO <sub>2</sub> e/Mboe	12.4	7.9
Methane Emissions Intensity Rate	mT CO <sub>2</sub> e/Mboe	1.8	0.9
<b>Sources of Emissions</b>			
Flaring	mT CO <sub>2</sub> e	31,292	34,232
Combustion	mT CO <sub>2</sub> e	49,937	79,272
Vented Emissions	mT CO <sub>2</sub> e	8,380	8,140
Fugitive Emissions	mT CO <sub>2</sub> e	3,432	4,186
<b>Flaring</b>			
Flaring Percentage <sup>3</sup>	%	2.2%	0.7%
<b>Land</b>			
Reportable Number of Oil Spills	#	0	0
Reportable Oil Spill Rate (% of Production)	% of Production	0.0%	0.0%
Reportable Number of Water Spills	#	0	0
Reportable Water Spill Rate (% of Production)	% of Production	0.0%	0.0%
<b>Safety</b>			
Employee Man Hours		124,800	236,543
Employee Incidents		0	0
Employee TRIR		0.00	0.00

1. All metrics have been calculated based on the best available information and consistent with required reporting, where applicable. Greenhouse Gas Emissions are based on Earthstone's gross operated operations and metrics are calculated in accordance with the standards of the Environmental Protection Agency ("EPA").

2. Peers include CDEV, CPE, FANG, LPI, MTDR, PXD and SM. Data compiled from company published data for most recent available year (2020 or 2021) and from publicly available EPA reports as of June 30, 2022.

3. Gross natural gas flared / gross natural gas produced.