

Qatar - Emissions, Death & Damage

	kbpd	million barrels	billion cubic meters	CO2 emissions (Gt)	Mortality Cost of Carbon (deaths)	Social Cost of Carbon (billion USD)	Source
Qatar Extraction 2021							
Crude oil and condensate	1,310.0	478.2		0.11	25,606	47.3	bp Statistical Review, 2022.
NGL	436.0	159.1		0.04	8,522	15.8	bp Statistical Review, 2022.
Natural gas*			177.0	0.30	67,255	124.4	bp Statistical Review, 2022.
Total	1,746.0	637.3	177.0	0.45	101,383	187.5	
Qatar Reserves (at end 2020)							
Natural gas*			24,700.0	41.6	9,385,332	17,353.3	bp Statistical Review, 2021.
Oil		25,200.0		8.9	2,015,545	3,726.7	bp Statistical Review, 2021.
Total		25,200.0	24,700.0	50.6	11,400,877	21,080.0	
Potential Emissions of the reserve of Qatar's North Field based on Carbon Bomb projects 2019							
North Field				35.3	7,953,839	14,706.5	Kühne et al. 2022. https://www.sciencedirect.com/science/article/pii/S0301421522001756
Emissions Factors							
1 MMbbl oil				0.00035464			Kühne et al. 2022. https://www.sciencedirect.com/science/article/pii/S0301421522001756
1 MMbbl condensate				0.00023745			
1 MMbbl NGL				0.00023745			
1 bcm natural gas				0.00168480			
Qatar FIFA World Cup 2022 Emissions							
	CO2 Emissions (t)						GHG accounting report 2021. https://www.qatar2022.qa/sites/default/files/2022-
	3,631,034						
					deaths/Gt CO2	USD/Gt CO2	
Mortality Cost of Carbon					225,530		Bressler 2021. https://www.
Social Cost of Carbon						417	Ricke et al. 2018. https://www.

*Natural gas is the term used by the bp Statistical review for fossil gas.