

2020

ESG Data Summary

This document provides an overview of key ESG KPIs for First Quantum Minerals Limited. The data stated relates to each given calendar year. First Quantum Minerals is committed to building on our ESG data collection in future years.

KPI	Units	2017	2018	2019
Environmental policy	Y/N	Y	Y	Y
Climate Change^{1, 2}				
Total scope 1 emissions	metric kilotonnes of CO ₂ equivalents	1,450	1,584	3,300
Total scope 2 emissions	metric kilotonnes of CO ₂ equivalents	168	249	239
Total energy consumption	gigajoules	22,592	25,558	37,952
Total energy consumption from renewable sources	gigajoules	8,556	8,858	9,013
Total energy consumption from non-renewable sources	gigajoules	14,035	16,699	28,938
Biodiversity				
Number of sites assessed for biodiversity importance	number	5	5	5
Number of sites with biodiversity management plans	number	5	5	5
Number of sites used for production, extraction or plantation activities	number	8	8	8
Total land disturbed ³	hectares	14,756	15,146	15,567
Air Emissions⁴				
Nitrous oxides (NO _x) ⁵	metric tonnes	197	321	2,083
Sulphur dioxide (SO ₂)	metric tonnes	7,248	4,447	6,931
Particulate matter (PM)	metric tonnes	-	465	415

¹Climate change data includes CO₂e from all First Quantum projects, operating sites, closed properties and supporting offices.

²The significant increase in 'Total scope 1 emissions' and 'Total energy consumption' in 2019 is associated with the commissioning of the Cobre Panama project.

³This figure refers to total cumulative disturbance.

⁴The significant increase in 'Nitrous oxides (NO_x)' in 2019 is attributed to the commissioning of the coal fired power plant at Cobre Panama.

⁵This figure is inclusive of NO₂ emissions.



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KPI	Units	2017	2018	2019
Waste				
Total waste generated	metric tonnes	223,375,026	290,298,437	335,726,130
Mining waste generated ⁶	metric tonnes	223,307,839	290,188,124	335,579,795
Total hazardous waste generated	metric tonnes	5,865	8,564	9,506
Total non-hazardous waste generated	metric tonnes	61,322	101,749	136,829
Percentage of waste recycled ⁷	percent	22.0%	29.0%	16.6%
Percentage of waste incinerated	percent	1.0%	1.7%	1.5%
Percentage of waste landfilled	percent	75.0%	68.7%	81.8%
Water^{8,9}				
Total water withdrawal	megalitres	134,347	303,154	729,230
Water withdrawal: municipal water and other industrial users	megalitres	638	811	1,159
Water withdrawal: surface water	megalitres	95,343	258,185	682,141
Water withdrawal: groundwater	megalitres	38,366	44,158	45,930
Total water discharge	megalitres	134,587	303,672	740,372
Water discharge: municipal water and other industrial users	megalitres	6	356	364
Water discharge: surface water	megalitres	54,395	203,219	629,639
Water discharge: groundwater	megalitres	16,086	30,301	26,778
Water discharge: evaporative loss, product loss and waste loss	megalitres	64,100	69,797	83,591
Percent saline surface water	percent	0.2%	47.2%	61.3%
Percent non-saline surface water	percent	99.8%	52.8%	38.7%
Percentage reused	percent	61.0%	65.0%	66.0%
Percentage of water sourced from regions with high or extremely high baseline water stress	percent	0.7%	0.3%	0.1%
Labour				
Employee turnover rate	percent	4.9%	5.1%	5.5%
Female share of total workforce	percent	7.6%	8.6%	10.0%

⁶This includes tailings solids, waste rock, overburden, slag and waste treatment solids.

⁷Percentage of domestic and hazardous waste.

⁸All water withdrawal and discharge has been measured in accordance with the Water Accounting Framework (WAF) for the Minerals Industry (Minerals Council of Australia, 2014).

⁹The increase in water withdrawal and discharge in 2018 and 2019 is a result of cooling water requirements for the Coal Fired Power Plant at Cobre Panama.



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KPI	Units	2017	2018	2019
Occupational Health & Safety				
Total fatalities	number of employees	3	2	0
Employee fatalities	number of employees	3	-	0
Contractor fatalities	number of employees	-	2	0
Near miss frequency rate (NMFR)	per 200,000 hours worked	-	-	231
Near miss frequency rate (NMFR): employees	per 200,000 hours worked	-	-	281
Near miss frequency rate (NMFR): contractors	per 200,000 hours worked	-	-	152
Total recordable injury frequency rate (TRIFR)	per 200,000 hours worked	0.36	0.28	0.31
Total recordable injury frequency rate (TRIFR): employees	per 200,000 hours worked	-	-	0.35
Total recordable injury frequency rate (TRIFR): contractors	per 200,000 hours worked	-	-	0.25
Lost time injury frequency rate (LTIFR)	per 200,000 hours worked	0.11	0.06	0.05
Lost time injury frequency rate (LTIFR): employees	per 200,000 hours worked	-	-	0.05
Lost time injury frequency rate (LTIFR): contractors	per 200,000 hours worked	-	-	0.05
Governance				
Board tenure	years	10	11	11
Women on the board	percent	12.5%	22.0%	25.0%
Code of conduct	Y/N	Y	Y	Y
Code of conduct: completion of online training	percent	-	-	88.0%
Grievance mechanisms and procedures	Y/N	Y	Y	Y

