

Environmental, Social & Governance (ESG) Metrics

In 2018, Pretivm achieved its first full year of steady-state production at the Brucejack Mine. Below are ESG metrics which Pretivm commits to building on in future years of operations.

Topic	Metric	2018	2017
Social			
Workforce	Number of employees (direct employment)	619	437
	Residents of British Columbia (%)	94	92
	Residents of northwest British Columbia (%)	58	54
	Number from northwest British Columbia	359	236
	Indigenous (%)	34	27
	Indigenous (#)	210	116
	Women (%)	17.4	17
	Women (#)	108	74
	Permanent employees	515	333
	Temporary contracts	104	101
	Number of contractors	280	478
	Residents of British Columbia (%)	50	75
	Indigenous (%)	16	42
	Internal promotions (number of employees who were promoted)	43	Note A
	Employee turnover (number of employees who were terminated or resigned)	146	Note A
	Men	114	Note A
	Women	32	Note A
	Under age 30	49	Note A
	30 to 50 years of age	69	Note A
	Over 50 years of age	28	Note A
Number of new hires	327	254	

Topic	Metric	2018	2017
Training & Development	On-site training programs offered (# of programs)	37	37
	Orientation training (hours)	1,387	2,140
	Total training provided (hours)	2,891	Note A
	Performance reviews conducted (% of employees)	84	Note A
Health & Safety	Lost time Injuries	0.38	0.82
	Fatalities (contractor support camp)	1	0
	Emergency Response Team (# of members)	83	77
	Emergency Response Team training (hours)	7,057	7,642
	Annual investment in health and wellness services (million \$)	1.3	1.2
	Visits to the on-site health clinic (# of visits per month)	400	250
	Social Responsibility Policy (Y/N)	Y	Y
	Health and Safety Policy (Y/N)	Y	Y

Governance

Governance	Code of Business Ethics (Y/N)	Y	Y
	Whistle Blower Policy (Y/N)	Y	Y
	Corruption Practices Policy (Y/N)	Y	Y
	Workplace Bullying and Harassment Policy (Y/N)	Y	Y
	Information Technology Systems Use Policy (Y/N)	Y	Y
	Corporate Donations Policy (Y/N)	Y	Y
	Code of Business Conduct and Ethics Violations reported	0	0
	Community donations and sponsorships (CAD)	103,087	Note A
	Women on the senior management team (%)	12	14

Environmental

Management	Number of employees in environmental roles	20	21
	Number of environmental management plans	26	25
	Number of external and independent environmental inspections on site	12	16
	Environmental Policy (Y/N)	Y	Y
Energy & Emissions	Energy Consumption (gigajoules) (renewable and nonrenewable sources)	406,282	Note B
	Energy intensity (joule per gram of gold)	34.81	Note B
	Direct Scope 1 greenhouse gas emissions (tonnes of CO ₂)	17,986	16,881
	GHG emissions intensity (grams CO ₂ e per gram of gold)	1,687	Note B

Topic	Metric	2018	2017	
Water	Water withdrawal by source (cubic metres)	1,153,117	764,000	
	Groundwater withdrawn, potable (cubic metres)	25,695	30,230	
	Groundwater withdrawn, mill processes (cubic metres)	702,784	580,310	
	Surface water (cubic metres)	424,638	153,460	
	Total water discharged (cubic metres)	968,505	1,219,287	
	Treated (cubic metres)	256,771	451,516	
	Recycled and reused (cubic metres)	451,674	170,989	
	With tailings (cubic metres)	511,000	346,000	
	Water recirculated in the mill process (%)	49	Note B	
	Number of exceedances of water quality discharge limits (amended 14/12/18)	1	Note A	
	Water discharge quality: Brucejack Lake Outflow averages			
	pH	7.87	7.79	
	TSS	2.5	3.14	
	T-Cr	0.00014	0.00017	
	T-Cu	0.0005	0.00034	
	T-Ag	0.00002	0.0000072	
	T-Fe	0.03	0.046	
T-As	0.005	0.0035		
Number of water and environmental samples analyzed	1,519	1,196		
Spills	Reportable spills	5	18	
	Spill response training (hours)	1,735	1,983	
Waste & Materials	Waste rock produced (tonnes)	700,319	Note B	
	Waste rock disposed in Brucejack Lake (tonnes)	672,035	Note B	
	Tailings disposed in Brucejack Lake (dry metric tonnes)	565,580	Note B	
	Non-hazardous waste disposed off-site (tonnes)	867	Note B	
	Hazardous waste disposed off-site (tonnes)	210.23	Note B	
	Used batteries (total tonnes)	8.37	Note A	
	Used oil	6.1	Note A	
	Contaminated Fuel	9.55	Note A	
	Used Coolant	10.73	Note A	
	Used Aerosol Containers	8.88	Note A	

Topic	Metric	2018	2017
Waste & Materials	Hydrocarbon Contaminated Materials (e.g., used filters, rags, spill absorbent pads)	22.15	Note A
	Hydrocarbon Contaminated Soil/Gravel	144.45	Note A
	Consumption of gasoline (L)	570,296	326,338
	Consumption of diesel (L)	5,482,058	5,318,902
Progressive Reclamation	Revegetation efforts to date (hectares)	90	Note B
	Revegetation efforts in 2018 alone (hectares)	2.75	Note B

Economic

Production	Ore mined (tonnes)	1,055,208	Note B
	Average mining rate (tonnes per day)	2,891	Note B
	Ore processed (tonnes)	1,005,603	Note B
	Average throughput (tonnes per day)	2,755	Note B
	Gold recovery rate (%)	97.3	96.2
	Gold produced (ounces)	376,012	Note B
	Silver produced (ounces)	422,562	Note B
Revenues & Expenditures	Expenditure on wages and benefits (millions CAD)	67.9	46.3
	Expenditure on wages and benefits in northwest British Columbia (millions CAD)	24.6	18.1
	Revenue generated (million USD)	454.6	Note B
	Cash generated from operations (million USD)	197.2	Note B
	Annual operating costs (million USD)	319.7	Note B
	Capital costs (million USD)	25.3	827.7
	Expenditure on contractors and service providers (million USD)	100.9	Note B
	Provincial taxes paid (including property tax and BC Mineral Tax) (million CAD)	9.2	Note B
	Taxes paid to the District of Stewart and Town of Smithers (millions CAD)	0.2	Note B
	Payments made to Indigenous partners (millions CAD)	0.6	Note B
	Procurement spend (goods and services) (millions CAD)	315.6	235
Procurement spend (goods and services) in northwest British Columbia businesses (millions CAD)	75	78	

Note A: Not recorded

Note B: Not a full year of production