

Performance Data Sheet



Activity	Units	2017	2018	2019	2020	2021
Production						
Total ¹	boe/d	24,470	25,315	24,027	23,272	27,897
Oil	boe/d	1,867	1,826	1,689	1,705	1,145
Natural Gas	boe/d	22,603	23,489	22,339	21,567	26,752
Number of sites	#, number	787	791	778	780	299
ENVIRONMENT						
Direct Energy Consumption	GJ	2,210,797	2,329,064	2,400,430	2,254,260	2,602,940
Indirect Energy Consumption	GJ	3,998	6,548	6,008	6,859	5,555
Total Energy Consumption (Direct & Indirect)	GJ	2,214,794	2,335,613	2,406,438	2,261,118	2,608,495
Production Energy Intensity	GJ/m ³ oe	1.56	1.59	1.73	1.67	1.61
Greenhouse Gas Emissions						
Direct GHG Emissions (Scope 1) ²	CO ₂ e tonnes	151,890	163,229	221,631	207,249	198,579
Indirect GHG Emissions (Scope 2) ²	CO ₂ e tonnes	723	667	569	463	312
Total GHG Emissions Intensity	tonnes CO ₂ e/boe	0.0172	0.0179	0.0254	0.0246	0.0195
Flared Emissions	CO ₂ e tonnes	5,792	3,328	3,446	4,312	4,136
Other Combustion Emissions	CO ₂ e tonnes	116,488	124,613	128,422	121,319	146,034
Process Emissions	CO ₂ e tonnes	0	0	0	0	0
Fugitive Emissions	CO ₂ e tonnes	9,934	11,210	13,678	10,007	6,556
Other Vented Emissions	CO ₂ e tonnes	19,677	24,079	76,085	71,611	41,853
Methane total	CO ₂ e tonnes	37,170	42,625	96,288	88,372	57,027
Total emissions under emissions-limiting regulations	CO ₂ e tonnes	128,091	133,771	198,570	207,249	198,579
Methane	percentage (%)	24%	26%	43%	43%	29%
% Total under emissions-limiting regulations	percentage (%)	84%	82%	90%	100%	100%
Volume of Flared Gas	thousand m ³	2,235	1,284	1,339	1,666	1,596
Volume of Vented Gas	thousand m ³	1,029	1,546	5,780	4,996	1,128
Air Quality						
Nitrogen Oxides (NOx)	tonnes	1,535	1,434	596	710	2,698
Sulfur Dioxide (SO ₂)	tonnes	13	13	35	36	64
Volatile organic compounds (VOCs)	tonnes	4,660	828	1,818	1,134	414
Total particulate matter (PM ₁₀)	tonnes	8	5	5	16	47
Water Management						
Total Fresh Water Withdrawal	m ³	132,723	640	0	0	290,747
Total Fresh Water Used - Hydraulic Fracturing ³	m ³	184,688	640	10,000	23,930	279,395
Fresh Water Intensity	m ³ H ₂ O/boe	0.0209	0.0003	0.0014	0.0030	0.0276
Fresh water use as % of total water use - Hydraulic Fracturing	percentage (%)	39%	0%	4%	20%	58%
Produced and recycled water use as % of total water use	percentage (%)	61%	100%	96%	80%	42%
Total Produced & Flowback Generated	m ³	1,047,447	906,510	816,067	575,946	517,145
	% discharged	0%	0%	0%	0%	0%
	% injected	60%	65%	50%	68%	60%
	% recycled	30%	26%	34%	23%	44%
% of each in regions with High or Extremely High Baseline Water Stress	percentage (%)	0%	0%	0%	0%	0%
% hydraulically fractured wells w/ publicly disclosed fracturing fluid composition	percentage (%)	100%	100%	100%	100%	100%
% hydraulically fractured wells where water quality deteriorated post frac compared to baseline	percentage (%)	0%	0%	0%	0%	0%
Reclamation						
Active Assessment / Reclamations Ongoing	wells	24	24	24	59	71
Certificates Received (Land Reclaimed)	wells	0	0	0	0	0
Operated Wells						
Number of Producing Wells (Gross)	wells	265	255	285	240	176
Number of Non-producing Wells (Gross)	wells	555	576	536	577	131
Wells Abandoned	wells	3	0	8	23	67
Biodiversity Impacts						
Number of Reportable Spills	count	15.00	6.00	7.00	4.00	9.00
Total Volume of Reportable Spills	m ³	317.00	43.90	12.72	188.00	9.80
Hydrocarbon	count	1.00	0	0	1.00	2.00
	m ³	3.00	0	0	63.50	4.15
Freshwater	count	0.00	0	0	1.00	0.00
	m ³	0.00	0	0	117.00	0.00
Other	count	14.00	6	7	2.00	7.00
	m ³	314.00	43.90	12.72	7.50	5.65
Pipeline Incidents	number	0	0	1	1	0
	percentage (%)					
Percentage of (1) proved and (2) probable reserves in or near sites with protected conservation status or endangered species habitat		NR	NR	NR	NR	NR
Number of fines and penalties	number	0	2	3	1	0

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SOCIAL							
Workforce Health and Safety							
Total recordable injury frequency (TRIF)							
Total	number	0.51	0.62	0.44	0.52	1.04	
Contractor	number	0.60	0.80	0.59	0.71	1.21	
Employee	number	0	0	0	0	0	
Total recordable injury rate	cases/200,000 work hours	0.51	0.62	0.45	0.52	1.04	
Lost-time injury frequency (LTIF)							
Total	number	0	1	0	0	0	
Contractor	number	0	1	0	0	0	
Employee	number	0	0	0	0	0	
Lost-time injury rate (LTIR)	cases/200,000 work hours	0	0.21	0	0	0	
High-consequence work-related injuries (severe injury frequency)							
Fatalities	number	0	0	0	0	0	
Near miss	number	6	2	5	5	4	
Hazard identification	number	1,151	1,052	1,201	1,197	1,971	
Positive Observations	number	145	142	141	243	938	
Numbers of hours worked (contractor & employee)	hours	1,561,453	972,403	895,133	764,248	1,348,507	
Workforce							
Workforce Total	count	113	113	108	92	91	
Full-time, permanent employees	count	77	75	68	58	55	
Part-time employees	count	0	0	0	0	0	
Contract and temporary employees	count	36	38	40	34	36	
Voluntary Turnover	percentage (%)	0%	4%	2%	3%	4%	
Employees By Location							
Field (Permanent)	count	14	15	12	10	8	
Office (Permanent)	count	63	60	55	48	47	
Field (Contractors & Temporary)	count	33	32	34	32	30	
Office (Contractors & Temporary)	count	3	6	6	2	6	
Gender Diversity (Permanent Only)							
Women in Workforce	percentage (%)	39%	40%	40%	36%	35%	
Supervisory/Professional Positions	percentage (%)	9%	13%	15%	14%	11%	
Management & Executive Team	percentage (%)	3%	3%	3%	3%	4%	
Women on Board of Directors (of Independent Members)	percentage (%)	0%	17%	17%	20%	40%	
Employee Age Categories							
30 Years & Under	count	10	8	7	3	2	
30 - 50 Years	count	45	44	44	39	36	
50 Years +	count	22	23	17	16	17	
Years of Service							
5 Years and Over	count	NR	NR	NR	49	44	
	percentage (%)	NR	NR	NR	84%	80%	
10 Years and Over	count	NR	NR	NR	20	17	
	percentage (%)	NR	NR	NR	34%	31%	
Education and Training							
Health & Safety & Emergency Response Training & Education							
	Total	count	272	1125	1076	1218	1424
	Contractor	count	152	856	936	1116	1038
	Employee	count	120	269	140	102	356
Communities							
Community Investment/ Donations	\$	161,250	217,022	155,981	50,663	49,743	
Security, Human Rights & Rights of Indigenous Peoples							
Percentage of (1) proved and (2) probable reserves in or near areas of conflict	% - proved	0.00%	0.00%	0.00%	0.00%	0.00%	
	% - probable	0.00%	0.00%	0.00%	0.00%	0.00%	
Percentage of (1) proved and (2) probable reserves in or near indigenous land ⁵	% - proved	0.05%	0.01%	0.00%	0.00%	0.00%	
	% - probable	0.03%	0.00%	0.00%	0.00%	0.00%	
Community Relations							
Number and duration of non-technical delays	#, days	0	0	0	0	0	

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GOVERNANCE						
<i>Reserves Valuation & Capital Expenditures</i>						
Sensitivity of hydrocarbon reserve levels to future price projection scenarios that account for a price on carbon emissions	million barrels (MMbbls), million standard cubic feet (MMscf)	NR	NR	NR	NR	NR
Estimated carbon dioxide emissions embedded in proved hydrocarbon reserves	CO ₂ e tonnes	NR	NR	NR	NR	NR
Amount invested in renewable energy, revenue generated by renewable energy sales ⁴	\$, CAD	0	0	0	175,200	429,000
<i>Business Ethics & Transparency</i>						
Percentage of (1) proved and (2) probable reserves in countries that have the 20 lowest rankings in Transparency International's Corruption Perception Index	percentage (%)	0%	0%	0%	0%	0%
<i>Critical Incident Risk Management</i>						
Process Safety Event rates for Loss of Primary Containment of greater consequence (Tier 1)	rate	NR	NR	NR	NR	NR
<i>Economics</i>						
Value Generated	millions of \$	214.10	218.40	193.50	137.90	332.80
<i>Value distributed to:</i>						
Capital Expenditures (Gross)	millions of \$	238.30	103.20	114.10	86.30	177.90
Operating Costs	millions of \$	48.90	54.20	49.40	45.10	43.10
Providers of Capital	millions of \$	16.70	22.20	22.90	22.30	23.40
Governments	millions of \$	17.90	17.60	15.10	7.20	21.70
Employees	millions of \$	12.70	12.00	12.30	8.20	11.40
Landowners	millions of \$	0.50	0.40	0.40	0.40	0.30
Communities	millions of \$	0.10	0.10	0.10	0.05	0.02

Notes:

1. As per common industry practice, our production volume used to calculate our environmental performance are based on operational control. As such all third-party volumes generated at assets operated by Crew are accounted for in the total production volumes. Therefore, these production volumes defer from what is reported under our financial
2. In order to quantify and calculate Scope 1 and Scope 2 emissions, the following methodology documents were used: Alberta Greenhouse Gas Quantification Methodologies – March 2021, version 2.1, Western Climate Initiative - Final Essential Requirements of Mandatory Reporting – Amended for Canadian Harmonization, December 17th, 2010, and the
3. Crew does not use any freshwater within its heavy oil operations.
4. All Heavy Oil SCADA units installed are powered with solar panels with battery backups.
5. Crew defines near as being < 5km of reserves

NR = Not reported