

Performance Data Sheet



Activity	Units	2017	2018	2019	2020
Production					
Total ¹	boe/d	24,470	25,315	24,027	23,272
Oil	boe/d	1,867	1,826	1,689	1,705
Natural Gas	boe/d	22,603	23,489	22,339	21,567
Number of sites	#, number	787	791	778	780
ENVIRONMENT					
Direct Energy Consumption	GJ	2,210,797	2,329,064	2,400,430	2,254,260
Indirect Energy Consumption	GJ	3,998	6,548	6,008	6,859
Total Energy Consumption (Direct & Indirect)	GJ	2,214,794	2,335,613	2,406,438	2,261,118
Production Energy Intensity	GJ/m ³ oe	1.56	1.59	1.73	1.67
Greenhouse Gas Emissions					
Direct GHG Emissions (Scope 1) ²	CO ₂ e tonnes	152,519	164,157	221,913	208,449
Indirect GHG Emissions (Scope 2) ²	CO ₂ e tonnes	723	667	569	463
Total GHG Emissions Intensity	tonnes CO ₂ e/boe	0.0172	0.0179	0.0254	0.0246
Flared Emissions	CO ₂ e tonnes	5,792	3,328	3,446	4,312
Other Combustion Emissions	CO ₂ e tonnes	117,117	125,541	128,695	122,519
Process Emissions	CO ₂ e tonnes	0	0	0	0
Fugitive Emissions	CO ₂ e tonnes	9,934	11,210	13,678	10,007
Other Venting Emissions	CO ₂ e tonnes	19,677	24,079	76,085	71,611
Methane	percentage (%)	24%	26%	43%	42%
% Total under emissions-limiting regulations	percentage (%)	84%	81%	89%	100%
Volume of Flared Gas	thousand m ³	2,235	1,284	1,339	1,666
Volume of Venting Gas	thousand m ³	1,029	1,546	5,780	4,996
Air Quality					
Nitrogen Oxides (NOx)	tonnes	1,535	1,434	596	710
Sulfur Dioxide (SO ₂)	tonnes	13	13	35	36
Volatile organic compounds (VOCs)	tonnes	4,660	828	1,818	1,134
Total particulate matter (PM10)	tonnes	8	5	5	16
Water Management					
Total Fresh Water Withdrawal	m ³	132,723	640	0	0
Total Fresh Water Used - Hydraulic Fracturing ³	m ³	184,688	640	10,000	23,930
Fresh Water Intensity	m ³ H ₂ O/boe	7.64	0.11	0.51	1.08
Fresh water use as % of total water use - Hydraulic Fracturing	percentage (%)	39%	0%	4%	20%
Produced and recycled water use as % of total water use	percentage (%)	61%	100%	96%	80%
Total Produced & Flowback Generated	m ³	1,047,447	906,510	816,067	575,946
	% discharged	percentage (%)	0%	0%	0%
	% injected	percentage (%)	60%	65%	50%
	% recycled	percentage (%)	30%	26%	34%
% of each in regions with High or Extremely High Baseline Water Stress	percentage (%)	0%	0%	0%	0%
% hydraulically fractured wells w/ publicly disclosed fracturing fluid composition	percentage (%)	100%	100%	100%	100%
% hydraulically fractured wells where water quality deteriorated post frac compared to baseline	percentage (%)	0%	0%	0%	0%
Reclamation					
Active Assessment / Reclamations Ongoing	wells	24	24	24	59
Certificates Received (Land Reclaimed)	wells	0	0	0	0
Number of Producing Wells (Gross) ⁴	wells	265	255	285	240
Number of Non-producing Wells (Gross) ⁴	wells	555	576	536	577
Wells Abandoned ⁴	wells	3	0	8	23
Biodiversity Impacts					
Number of Reportable Spills	count	15	6	7	4
Total Volume of Reportable Spills	m ³	317.00	43.90	12.72	188.00
Hydrocarbon	count	1	0	0	1
	m ³	3.00	0	0	63.50
Freshwater	count	0	0	0	1
	m ³	0	0	0	117.00
Other	count	14	6	7	2
	m ³	314.00	43.90	12.72	7.50
Pipeline Incidents	number	0	0	1	1
Percentage of (1) proved and (2) probable reserves in or near sites with protected conservation status or endangered species habitat	percentage (%)	NR	NR	NR	NR
Number of fines and penalties	number	0	2	3	1
SOCIAL					
Workforce Health and Safety					
<i>Total recordable injury frequency (TRIF)</i>					
Total	number	0.51	0.62	0.44	0.52
Contractor	number	0.60	0.80	0.59	0.71
Employee	number	0	0	0	0
Total recordable injury rate	cases/200,000 work hours	0.51	0.62	0.45	0.52

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Lost-time injury frequency (LTIF)						
Total	number	0	1	0	0	
Contractor	number	0	1	0	0	
Employee	number	0	0	0	0	
Lost-time injury rate (LTIR)	cases/200,000 work hours	0	0.21	0	0	
High-consequence work-related injuries (severe injury frequency)						
Fatalities	number	0	0	0	0	
Near miss	number	6	2	5	5	
Hazard identification	number	1,151	1,052	1,201	1,197	
Positive Observations	number	145	142	141	243	
Numbers of hours worked (contractor & employee)	hours	1,561,453	972,403	895,133	764,248	
Workforce						
Workforce Total	count	113	113	107	92	
Full-time, permanent employees	count	77	75	67	58	
Part-time employees	count	0	0	0	0	
Contract and temporary employees	count	36	38	40	34	
Voluntary Turnover	percentage (%)	0%	4%	2%	3%	
Employees By Location						
Field (Permanent)	count	14	15	12	10	
Office (Permanent)	count	63	60	55	48	
Field (Contractors & Temporary)	count	33	32	34	32	
Office (Contractors & Temporary)	count	3	6	6	2	
Gender Diversity (Permanent Only)						
Women in Workforce	percentage (%)	39%	40%	39%	36%	
Supervisory/Professional Positions	percentage (%)	9%	13%	15%	14%	
Management & Executive Team	percentage (%)	3%	3%	3%	3%	
Women on Board of Directors (of Independent Members)	percentage (%)	0%	17%	17%	20%	
Employee Age Categories						
30 Years & Under	count	10	8	7	3	
30 - 50 Years	count	45	44	43	39	
50 Years +	count	22	23	17	16	
Years of Service						
5 Years and Over	count	NR	NR	NR	49	
	percentage (%)	NR	NR	NR	84%	
10 Years and Over	count	NR	NR	NR	20	
	percentage (%)	MR	NR	NR	34%	
Education and Training						
Health & Safety & Emergency Response Training & Education						
	<i>Total</i>	count	272	1125	1076	1218
	<i>Contractor</i>	count	152	856	936	1116
	<i>Employee</i>	count	120	269	140	102
Communities						
Community Investment/ Donations	\$	161,250	217,022	155,981	50,663	
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%	
	% - probable	0.00%	0.00%	0.00%	0.00%	
Percentage of (1) proved and (2) probable reserves in or near indigenous land	% - proved	0.05%	0.01%	0.00%	0.00%	
	% - probable	0.03%	0.00%	0.00%	0.00%	
Community Relations						
Number and duration of non-technical delays	#, days	0	0	0	0	
GOVERNANCE						
Reserves Valuation & Capital Expenditures						
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	
Estimated carbon dioxide emissions embedded in proved hydrocarbon reserves	CO ₂ e tonnes	NR	NR	NR	NR	
Amount invested in renewable energy, revenue generated by renewable energy sales ⁴	\$, CAD	0	0	0	175,200	
Business Ethics & Transparency						
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%	
Critical Incident Risk Management						
Process Safety Event rates for Loss of Primary Containment of greater consequence (Tier 1)	rate	NR	NR	NR	NR	
Economics						
Value Generated	millions of \$	214.10	218.40	193.50	137.90	
Value distributed to:						
Capital Expenditures (Gross)	millions of \$	238.30	103.20	114.10	86.30	
Operating Costs	millions of \$	48.90	54.20	49.40	45.10	
Providers of Capital	millions of \$	16.70	22.20	22.90	22.30	
Governments	millions of \$	17.90	17.60	15.10	7.20	
Employees	millions of \$	12.70	12.00	12.30	8.20	
Landowners	millions of \$	0.50	0.40	0.40	0.40	
Communities	millions of \$	0.10	0.10	0.10	0.05	

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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 statements.

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 17st, 2010, and the Management and Reduction of Greenhouse Gases (Standards and Compliance) Regulations – January 1, 2019.

- 3. Crew does not use any freshwater within it heavy oil operations.
- 4. Only includes operated wells.
- 5. All Heavy Oil SCADA units installed are powered with solar panels with battery backups.

NR = Not reported