CIMAREX

ESG Performance Data

Last Updated July 2021

Air Quality

Greenhouse Gases

Scope 1 GHG Emissions - as reported to the EPA[1,2,3] (metric tons CO_2e)	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Carbon Dioxide	1,527,988	1,781,500	1,264,032	17%	-29%	-17%
Methane	576,521	566,044	349,728	-2%	-38%	-39%
Nitrous Oxide	828	1,247	832	51%	-33%	0%
Total Scope 1 GHG Emissions - as reported to the EPA	2,105,337	2,348,791	1,614,592	12%	-31%	-23%
GHG Intensity (metric tons CO_2e / MBoe)	20.9	18.0	14.0	-14%	-23%	-33%
Methane Intensity (metric tons CH_4 / MBoe)	0.23	0.17	0.12	-24%	-30%	-47%

Scope 1 GHG Emissions - Extended Inventory[2] (metric tons CO_2e)	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Upstream (Production Segment)						
Carbon Dioxide	776,599	1,020,102	601,580	31%	-41%	-23%
Methane	496,371	472,652	296,187	-5%	-37%	-40%
Nitrous Oxide	507	858	477	69%	-44%	-6%
Total Production GHG Emissions	1,273,477	1,493,612	898,244	17%	-40%	-29%
Midstream (Boosting & Gathering Segment)						
Carbon Dioxide	758,602	766,007	669,517	1%	-13%	-12%
Methane	92,392	103,027	65,602	12%	-36%	-29%
Nitrous Oxide	325	391	358	20%	-8%	10%
Total Boosting & Gathering GHG Emissions	851,319	869,425	735,477	2%	-15%	-14%
% of Scope 1 GHG Emissions - Extended Inventory Attributable to Midstream	39%	36%	44%	-8%	22%	12%
Extended Inventory Emissions						
Carbon Dioxide	28,945	29,651	26,686	2%	-10%	-8%
Methane	17,976	18,361	14,186	2%	-23%	-21%
Nitrous Oxide	35	36	31	3%	-14%	-11%
Total Extended Inventory GHG Emissions	46,956	48,048	40,903	2%	-15%	-13%
Total Scope 1 GHG Emissions - Extended Inventory						
Carbon Dioxide	1,564,146	1,815,760	1,297,783	16%	-29%	-17%
Methane	606,739	594,040	375,975	-2%	-37%	-38%
Nitrous Oxide	867	1,285	866	48%	-33%	0%
Total Scope 1 GHG Emissions - Extended Inventory	2,171,752	2,411,085	1,674,624	11%	-31%	-23%
Total Scope 1 GHG Emissions Intensity - Extended Inventory (metric tons CO_2e / MBoe)	21.6	18.5	14.5	-14%	-22%	-33%
Upstream GHG Emissions Intensity - Extended Inventory (metric tons CO_2e / MBoe)	12.6	11.5	7.8	-9%	-32%	-39%

Total Scope 1 GHG Emissions - Extended Inventory by Source[2] (metric tons CO_2e)	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Stationary/Portable Combustion	1,192,214	1,269,840	1,030,141	7%	-19%	-14%
Associated Gas Venting and Flaring	351,260	519,149	215,910	48%	-58%	-39%
Pneumatic Device Venting	407,973	396,600	230,372	-3%	-42%	-44%
Equipment Leaks	69,946	58,515	62,081	-16%	6%	-11%
Dehydrator Venting and Flaring	27,984	42,050	13,785	50%	-67%	-51%
Storage Tank Venting and Flaring	31,071	37,259	38,701	20%	4%	25%
Gas Processing Plants	19,677	19,878	18,365	1%	-8%	-7%
Other	71,627	67,794	65,269	-5%	-4%	-9%
Total Scope 1 GHG Emissions - Extended Inventory	2,171,752	2,411,085	1,674,624	11%	-31%	-23%

Methane

Total Scope 1 Methane Emissions - Extended Inventory	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Metric tons CO_2e	606,739	594,040	375,975	-2%	-37%	-38%
Metric tons CH_4	24,270	23,762	15,039	-2%	-37%	-38%
MMcf	1,267	1,240	785	-2%	-37%	-38%

Total Scope 1 Methane Emissions Intensities - Extended Inventory	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Methane Emissions Intensity (metric tons CO_2e/MBoe)	6.0	4.6	3.3	-24%	-29%	-46%
Methane Intensity Rate (% of methane production)	0.427%	0.316%	0.232%	-26%	-27%	-46%

Total Scope 1 Methane Emissions - Extended Inventory by Source[2] (metric tons CO_2e)	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Pneumatic Device Venting	407,426	396,246	230,134	-3%	-42%	-44%
Equipment Leaks	64,625	52,162	56,076	-19%	8%	-13%
Associated Gas Venting and Flaring	31,544	48,753	20,996	55%	-57%	-33%
Dehydrator Venting and Flaring	10,016	12,258	7,246	22%	-41%	-28%
Pneumatic Pump Venting	15,938	11,115	2,833	-30%	-75%	-82%
Stationary/Portable Combustion	28,588	29,552	22,032	3%	-25%	-23%
Other	48,602	43,954	36,658	-10%	-17%	-25%
Total Scope 1 Methane Emissions - Extended Inventory	606,739	594,040	375,975	-2%	-37%	-38%

High-Pressure Flaring

High-Pressure Flared Volumes by Region (MMcf)[2]	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Total Company	4,566	6,668	2,866	46%	-57%	-37%
Permian Basin	4,327	6,525	2,828	51%	-57%	-35%

High-Pressure Flare Intensity[2] (% of gross natural gas production by region)	**2018**	**2019**	**2020**	**2019/2018 % Change**	**2020/2019 % Change**	**2020/2018 % Change**
Total Company	1.22%	1.39%	0.66%	14%	-52%	-46%
Permian Basin	1.98%	1.97%	0.90%	0%	-54%	-54%

Spill Prevention

Agency Reportable Spills Outside of Primary Containment

Hydrocarbon Liquids Spills	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Total Released Volumes (Bbl)	483	1,562	1,043	223%	-33%	116%
Total Recovered Volumes (Bbl)	287	1,173	718	309%	-39%	150%
% Recovered	59%	75%	69%	26%	-8%	16%
% of Spilled Volumes in Containment	-	67%	59%	-	-11%	-
Spill Intensity Rate (% of gross produced hydrocarbon liquids)	0.0013%	0.0033%	0.0024%	162%	-28%	90%

Produced Water Spills	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Total Released Volumes (Bbl)	2,014	4,011	3,845	99%	-4%	91%
Total Recovered Volumes (Bbl)	1,410	3,294	3,114	134%	-5%	121%
% Recovered	70%	82%	81%	17%	-1%	16%
% of Spilled Volumes in Containment	-	69%	74%	-	7%	-
Spill Intensity Rate (% of gross produced water)	0.0015%	0.0019%	0.0020%	26%	5%	32%

Spills ≥ 1 Barrel Outside of Secondary Containment

Hydrocarbon and Produced Water Spills	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Total Released Volumes (Bbl)	-	7,662	7,530	-	-2%	-
Total Recovered Volumes (Bbl)	-	2,581	1,448	-	-44%	-
% Recovered	-	34%	19%	-	-43%	-
Spill Intensity Rate						
Produced Liquids Spilled (Bbl)/Total Produced Liquids (MBbl)	-	0.030	0.032	-	7%	-

Water Resource Management

Permian Basin

Water Sourced for Operations (MMBbl)	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Fresh Water[4]	-	-	-	-	-	-
Non-Fresh Water (Brackish)	17.2	16.0	6.4	-7%	-60%	-63%
Recycled Water	18.4	28.9	17.2	57%	-40%	-7%
Total Water Sourced	35.6	44.9	23.6	26%	-47%	-34%
% Recycled	52%	64%	73%	25%	13%	41%

Total Company

Water Sourced for Operations (MMBbl)	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Fresh Water[4]	15.7	7.0	0.3	-55%	-96%	-98%
Non-Fresh Water (Brackish)	17.2	16.0	6.4	-7%	-60%	-63%
Recycled Water	18.6	28.9	17.2	55%	-40%	-8%
Total Water Sourced	51.5	51.9	23.9	1%	-54%	-54%
% Recycled	36%	56%	72%	54%	29%	99%
Total Company Water Intensity Rate						
Total Water Sourced (MMBbl)/Total Equivalents (MMBoe)	0.51	0.41	0.21	-19%	-50%	-60%
Fresh Water Intensity						
Fresh Water Consumed (Bbl)/Total Equivalents (Boe)	0.156	0.056	0.003	-64%	-95%	-98%

Safety & Health

TRIR

	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Workforce	0.56	0.68	0.41	21%	-40%	-27%
Employee	0.60	0.77	0.78	28%	1%	29%
Contractor	0.56	0.66	0.28	20%	-58%	-50%

DART

Workforce	0.27	0.40	0.29	49%	-28%	8%
Employee	0.40	0.58	0.44	44%	-23%	11%
Contractor	0.25	0.37	0.24	49%	-36%	-4%

Gross Production Data

Volumes for Air Quality Calculations - As Reported to the EPA[5]

Permian Basin	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Natural Gas (MMcf)	218,820	331,380	313,510	51%	-5%	43%

Total Company	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Methane (MMcf)	296,580	392,160	338,470	32%	-14%	14%
Natural Gas (MMcf)	375,420	481,020	433,350	28%	-10%	15%
Total Equivalents (MBoe)	100,700	130,200	115,500	29%	-11%	15%

Volumes for Spill Prevention & Water Resource Management Calculations

Total Company	2018	2019	2020	2019/2018 % Change	2020/2019 % Change	2020/2018 % Change
Oil (Bbl)	38,090,000	46,940,000	43,320,000	23%	-8%	14%
Produced Water (Bbl)	132,760,000	209,440,000	192,040,000	58%	-8%	45%
Total Produced Liquids (MBbl)	170,850	256,380	235,360	50%	-8%	38%
Total Equivalents (MMBoe)	100.7	125.3	115.5	24%	-8%	15%

[1]The EPA requires petroleum and natural gas facilities to report under the Greenhouse Gas Reporting Program (GHGRP). The GHGRP requires the reporting of methane (CH_4), carbon dioxide (CO_2) and nitrous oxide (N_2O) emissions resulting from venting, flaring and combustion associated with oil and gas operating equipment. The GHGRP, however, does not account for all emissions from petroleum and natural gas systems. For example, companies are only required to report basin operations with total annual emissions from all GHGRP defined sources in excess of 25,000 metric tons of CO_2 equivalent (mtons CO_2e) within defined geographic areas

[2]Includes full year Resolute Energy Corporation emissions/flaring in 2019.

[3]Trinity Consultants was hired by Cimarex to verify Cimarex's Scope 1 GHG emissions for Calendar Year 2019. Based on Trinity's evaluation, no material discrepancies were identified that would indicate that the activity and energy data, emissions calculations, and equations supporting the company's GHG emissions statement, as disclosed on Cimarex's website as of the data of this opinion, are not represented fairly in accordance with the established protocols. Trinity has concluded that Cimarex has implemented sufficient processes and controls for the collection and analysis of data used to determine reported Scope 1 emissions. Trinity Consultants has assigned Limited Assurance to Cimarex's 2019 Scope 1 GHG Emissions. as they were reported to the EPA.

[4] In accordance with the U.S. Geological Survey, fresh water is defined as water that has less than or equal to 1,000 mg/l total dissolved solids.

[5]Includes full year Resolute Energy Corporation production in 2019.