AMERICAN EXPLORATION AND PRODUCTION COUNCIL (AXPC) VOLUNTARY ESG METRICS TEMPLATE - U.S. DOMESTIC ONLY

REPORTING PERIOD: FY-2022

Metric	2020	2021	2022	Additional Comments
Greenhouse Gas Emissions				
GHG Emissions (metrics tons CO_2e)	3,706,000	2,841,000	2,537,366	Excludes Ensign acquisition
GHG Intensity GHG Emissions (Metric tons CO_2e)/Gross Annual Production - As Reported Under Subpart W (mboe)	25.21	21.45	18.58	
Percent of GHG Emissions Attributed to Boosting and Gathering Segment	26%	27%	34%	
Methane Emissions (metric tons CH_4)	19,384	16,277	13,027	Excludes Ensign acquisition
Methane Intensity Methane Emissions (metric tons CH_4)/Gross Annual Production - As Reported Under Subpart W (mboe)	0.13	0.12	0.10	
Percent of Methane Emissions Attributed to Boosting and Gathering Segment	10%	3%	15%	
Flaring				
Gross Annual Volume of Flared Gas (mcf)	16,541,706	5,522,927	3,319,125	Value shown is measured associated gas (high pressure flaring). Excludes Ensign acquisition
Percentage of Gas Flared per Mcf of Gas Produced Gross Annual Volume of Flared Gas (mcf)/Gross Annual Gas Production (mcf)	5.15%	1.96%	1.12%	Calculated for associated gas only (high pressure flaring)
Volume of Gas Flared per Barrel of Oil Equivalent Produced Gross Annual Volume of Flared Gas (mcf)/Gross Annual Production (boe)	0.11	0.04	0.02	

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REPORTING PERIOD: FY-2022

Metric	2020	2021	2022	Additional Comments
Spills				
Spill Intensity Produced Liquids Spilled (bbl)/Total Produced Liquids (mbbl)	0.005	0.003	0.008	Spills to the environment for our U.S. operations only
Water Use				
Fresh Water Intensity Fresh Water Consumed (bbl)/Gross Annual Production (boe)	0.122	0.115	0.162	
Water Recycle Rate Recycled Water (bbl)/Total Water Consumed (bbl)	5.5%	9.3%	12.7%	Recycled water not included in denominator-recycled/ fresh + alternative
Does your company use WRI Aqueduct, GEMI, Water Risk Filter, Water Risk Monetizer, or other comparable tool or methodology to determine the water stressed areas in your portfolio?	Yes	Yes	Yes	Aqueduct
Safety				
Employee TRIR # of Employee OSHA Recordable Cases x 200,000 / Annual Employee Workhours	0.06	0.27	0.06	U.S. employees
Contractor TRIR # of Contractor OSHA Recordable Cases x 200,000 / Annual Contractor Workhours	0.30	0.36	0.38	U.S. contractors
Combined TRIR # of Combined OSHA Recordable Cases x 200,000 / Annual Combined Workhours	0.23	0.34	0.34	U.S. employees and contractors

AMERICAN EXPLORATION AND PRODUCTION COUNCIL (AXPC) VOLUNTARY ESG METRICS TEMPLATE - U.S. DOMESTIC ONLY

REPORTING PERIOD: FY-2022

Metric	2020	2021	2022	Additional Comments
Supporting Data				
Gross Annual Oil Production (bbl)	93,742,030	85,811,768	87,314,722	
Gross Annual Gas Production (mcf)	319,540,648	279,969,905	295,616,582	
Gross Annual Production (boe)	146,998,805	132,473,419	136,584,152	
Gross Annual Production (mboe)	146,999	132,473	136,584	
Gross Annual Production - As Reported Under Subpart W (mboe)	146,999	132,473	136,584	
Total Produced Liquids (mbbl)	184,319	163,723	175,465	
Produced Liquids Spilled to the Environment (bbl)	839	428	1,326	
Fresh Water Consumed (bbl)	17,950,000	15,264,000	22,116,217	
Recycled Water (bbl)	2,820,000	4,622,159	8,733,930	
Total Water Consumed (bbl)	50,870,000	49,463,602	68,820,781	

AMERICAN EXPLORATION AND PRODUCTION COUNCIL (AXPC) VOLUNTARY ESG METRICS TEMPLATE - U.S. DOMESTIC ONLY

REPORTING PERIOD: FY-2022

Metric	2020	2021	2022	Additional Comments
Employee OSHA Recordable Cases	1	4	1	U.S. employees
Contractor OSHA Recordable Cases	14	19	35	U.S. contractors
Combined OSHA Recordable Cases	15	23	36	U.S. employees and contractors
Annual Employee Workhours	3,457,311	2,951,016	3,107,220	U.S. employees
Annual Contractor Workhours	9,341,442	10,652,711	18,333,977	U.S. contractors
Methodology	API	API	API	
Annual Combined Workhours	12,798,753	13,603,727	21,441,197	U.S. employees and contractors

AXPC Template last updated December 14, 2021.

AMERICAN PETROLEUM INSTITUTE (API) VOLUNTARY TEMPLATE 2.0 FOR GHG REPORTING

General						
Date:		August 2023				
IPCC AR GWP:		AR4				
Basis:		Operational Control				
No.	**Indicator**	**Units**	**2020**	**2021**	**2022**	**Additional Comments**
1. Direct GHG Emissions (Scope 1)						
1.1	**Direct GHG Emissions (Scope 1) - All GHGs**	(million metric tons CO_2e)	4.24	3.50	3.12	Excludes Ensign acquisition
1.1.1	**Upstream - All GHGs**	(million metric tons CO_2e)	4.24	3.48	3.12	
1.1.1.1	CH_4	(million metric tons CO_2e)	0.52	0.44	0.38	
1.1.1.2	Upstream Flaring - All GHGs (subset of Scope 1)	(million metric tons CO_2e)	1.53	0.81	0.49	Excludes tank flaring
1.1.1.3	Volume of Flares	(mmcf)	16.60	5.49	3.52	
1.1.2	**Midstream - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	
1.1.2.1	CH_4	(million metric tons CO_2e)	N/A	N/A	N/A	
1.1.3	**Downstream - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	
1.1.4	**LNG - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	

AMERICAN PETROLEUM INSTITUTE (API) VOLUNTARY TEMPLATE 2.0 FOR GHG REPORTING

No.	Indicator	Units	2020	2021	2022	Additional Comments
1.1.5	**Oil and Natural Gas Field Services - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	
2. Indirect GHG Emissions from Imported Energy (Scope 2)						
2.1	**Indirect GHG Emissions from Imported Electricity + Heat + Steam + Cooling (Scope 2, *Market-based*)**	(million metric tons CO_2e)	0.20	0.18	0.19	
2.1.1	**Upstream - All GHGs**	(million metric tons CO_2e)	0.20	0.18	0.19	
2.1.2	**Midstream - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	
2.1.3	**Downstream - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	
2.1.4	**LNG - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	
2.1.5	**Oil and Natural Gas Field Services - All GHGs**	(million metric tons CO_2e)	N/A	N/A	N/A	
3. GHG Mitigation						
3.1	**GHG Mitigation from CCUS, Credits and Offsets**	(million metric tons CO_2e)	0.00	0.23	0.24	
3.1.1	Carbon Capture Utilization or Storage (CCUS) - All GHGs	(million metric tons CO_2e)	0.00	0.00	0.00	
3.1.2	Renewable Energy Credits - (RECs for Indirect Emissions) - All GHGs	(million metric tons CO_2e)	0.00	0.18	0.19	
3.1.3	Offsets - All GHGs	(million metric tons CO_2e)	0.00	0.05	0.05	

AMERICAN PETROLEUM INSTITUTE (API) VOLUNTARY TEMPLATE 2.0 FOR GHG REPORTING

No.	Indicator	Units	2020	2021	2022	Additional Comments
4. Intensity - Direct GHG Emissions						
4.1	Scope 1 + Scope 2 Upstream GHG Intensity	(million metric tons CO_2e/ mboe)	22.87	19.30	16.30	Excludes Ensign acquisition
4.2	Scope 1 Upstream Methane Intensity	(million metric tons CO_2e/ mboe)	2.66	2.44	1.98	
4.3	Scope 1 Upstream Flaring Intensity	(million metric tons CO_2e/ mboe)	7.86	4.48	1.12	
4.4	Scope 1 + Scope 2 Liquids Pipelines Transmission GHG Intensity	(million metric tons CO_2e/ throughput in barrel-miles)	N/A	N/A	N/A	
4.5	Scope 1 Natural Gas Pipelines Transmission & Storage Methane Intensity	%	N/A	N/A	N/A	
4.6	Scope 1 + Scope 2 Downstream GHG Intensity	(million metric tons CO_2e/ mboe)	N/A	N/A	N/A	
4.7	Scope 1 + Scope 2 LNG GHG Intensity	(million metric tons CO_2e/ mmcf)	N/A	N/A	N/A	
4.8	Additional Intensity Metrics, if applicable (e.g., further disaggregated by constituent GHG or by more granular business asset and/or for additional business assets beyond these categories)	Yes/No	No	No	No	

AMERICAN PETROLEUM INSTITUTE (API) VOLUNTARY TEMPLATE 2.0 FOR GHG REPORTING

No.	Indicator	Units	2020	2021	2022	Additional Comments
5. Indirect GHG Emissions from Consumers' Use of Products (Scope 3)						
Attention: Scope 3 emissions from the use of sold products are released when the hydrocarbons produced and marketed by natural gas and oil companies are combusted by consumers. GHG emissions from the use of sold products are not within a company's control, and it should be noted that not 100% of the hydrocarbon products produced/refined/sold by the company may be combusted at the end of the product lifecycle. Scope 3 emissions lead to extensive multiple counting of GHG emissions across the economy. Therefore, it is inaccurate to add together Scope 3 emissions reported by individual companies in order to ascertain GHG emissions from consumers' use of oil and natural gas products. As noted above, API will not be aggregating Scope 3 emissions data reported by individual companies. For example, an oil and natural gas company's Scope 3 emissions represent Scope 1 and/or Scope 2 emissions for fuel consumers (e.g., electric utility combusting natural gas, individuals using gasoline, manufacturers purchasing natural gas to power their operations). Scope 3 emissions on an individual company basis are not an indicator whether global GHG emissions are being reduced and do not provide context of how GHG emissions fit within the global energy system. Scope 3 emissions are also not indicative of a company's strategy to manage potential climate risks and opportunities nor of a company's commercial strategy or viability.						
5.1	**Indirect GHG Emissions from Use of Sold Products (Category 11)**	(million metric tons CO_2e)	-	42.58	42.05	
6. Additional Climate-Related Targets and Reporting						
6.1	**GHG Reduction Target(s)**	☑ Yes ☐ No				
6.2	**TCFD-informed reporting**	☑ Yes ☐ No				
6.3	**Additional Climate Reporting Resources**	Marathon Oil Sustainability Report - Climate Section				
7. Third-party Verification						
7.1	**Assurance Level**	None				
7.2	**Assurance Provider**	N/A				