OXY 2019 – 2021 ANNUAL ESG PERFORMANCE INDICATORS

PLANET

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Greenhouse Gas (GHG) Emissions (million metric tons CO_2 equivalent) — Total Oxy (Oil & Gas, OxyChem, and Other Operations) [1] [2]								
Direct GHGs (Scope 1) operated basis *Item verified by ERM CVS	18.50*	19.02	21.62	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C1	EM-EP-110a.1 EM-MD-110a.1 RT-CH-110a.1	GRI 305-1	Not Applicable
Indirect GHGs (Scope 2) operated basis *Item verified by ERM CVS	4.84*	4.81	5.91	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C2	Not Applicable	GRI 305-2	Not Applicable
Total GHGs (Scope 1 and 2) operated basis *Items verified by ERM CVS	23.34*	23.83*	27.53*	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C1, C2	Not Applicable	GRI 305-1 GRI 305-2	Not Applicable
Direct GHGs (Scope 1) equity basis	14.54	14.85	15.96	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C1	EM-EP-110a.1 EM-MD-110a.1 RT-CH-110a.1	GRI 305-1	Not Applicable
Indirect GHGs (Scope 2) equity basis	3.87	3.86	4.74	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C2	Not Applicable	GRI 305-2	Not Applicable
Total GHGs (Scope 1 and 2) equity basis	18.41	18.71	20.70	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C1, C2	Not Applicable	GRI 305-1 GRI 305-2	Not Applicable
Scope 1 and 2 GHG Emissions (million metric tons CO_2 equivalent) — Oil & Gas [1] [2]								
Direct GHGs (Scope 1) operated basis *Item verified by ERM CVS	13.08*	12.91	15.41	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	EM-EP-110a.1 EM-MD-110a.1	GRI 305-1	11.1.5
Indirect GHGs (Scope 2) operated basis *Item verified by ERM CVS	3.17*	3.16	4.01	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-2	11.1.6
Total GHGs (Scope 1 and 2) operated basis *Items verified by ERM CVS	16.25*	16.07	19.42	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-1 GRI 305-2	11.1.5 11.1.6
Direct GHGs (Scope 1) equity basis	9.13	8.75	9.75	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	EM-EP-110a.1 EM-MD-110a.1	GRI 305-1	11.1.5
Indirect GHGs (Scope 2) equity basis	2.20	2.22	2.85	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-2	11.1.6
Total GHGs (Scope 1 and 2) equity basis	11.33	10.97	12.60	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-1 GRI 305-2	11.1.5 11.1.6

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Scope 3 GHG Emissions (million metric tons CO_2 equivalent) — Oil & Gas [1] [2] [3]								
Scope 3 GHG emissions - operated basis, Transportation, Refining and Use of Sold Products *Item verified by ERM CVS[2]	212*	226	259	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: A2, A7	Not Applicable	GRI 305-3	11.1.7
Scope 3 GHG emissions - equity basis, Transportation, Refining and Use of Sold Products *Item verified by ERM CVS[2]	176*	196	151	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: A2, A7	Not Applicable	GRI 305-3	11.1.7
Scope 1 and 2 GHG Emissions (million metric tons CO equivalent) — OxyChem								
Direct GHGs (Scope 1) operated basis *Item verified by ERM CVS	5.41*	6.10	6.21	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-1	Not Applicable
Indirect GHGs (Scope 2) operated basis *Item verified by ERM CVS	1.67*	1.64	1.89	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-2	Not Applicable
Total GHGs (Scope 1 and 2) operated basis *Items verified by ERM CVS	7.08*	7.74	8.10	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-1 GRI 305-2	Not Applicable
Scope 1 and 2 GHG Emissions (million metric tons CO equivalent) — Other Operations[4]								
Direct GHGs (Scope 1) operated basis *Item verified by ERM CVS	0.003*	0.004	0.007	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-1	Not Applicable
Indirect GHGs (Scope 2), operated basis *Item verified by ERM CVS	0.007*	0.007	0.006	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-2	Not Applicable
Total GHGs (Scope 1 and 2), operated basis *Item verified by ERM CVS	0.010*	0.011	0.013	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-4: C3	Not Applicable	GRI 305-1 GRI 305-2	Not Applicable
Scope 1 and 2 GHG Emissions Intensity (metric tons CO_2e/BOE) — Oil & Gas [1] [2]								
Direct GHG intensity (Scope 1) operated basis	0.0275	0.0254	0.0266	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	11.1.8
Indirect GHG intensity (Scope 2) operated basis	0.0067	0.0062	0.0069	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	11.1.8
Total GHG intensity (Scope 1 and 2) operated basis	0.0342	0.0316	0.0335	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	11.1.8
Direct GHG intensity (Scope 1) equity basis	0.0214	0.0186	0.0271	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	11.1.8
Indirect GHG intensity (Scope 2) equity basis	0.0052	0.0047	0.0079	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	11.1.8
Total GHG intensity (Scope 1 and 2) equity basis	0.0266	0.0233	0.0350	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	11.1.8
Scope 1 and 2 GHG Emissions Intensity (metric tons CO_2e/MT Production) — OxyChem								
Direct GHG intensity (Scope 1)	0.467	0.551	0.515	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	Not Applicable
Indirect GHG intensity (Scope 2)	0.144	0.148	0.157	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	Not Applicable
Total GHG intensity (Scope 1 and 2)	0.611	0.699	0.672	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	Not Applicable
Total GHG intensity (Scope 1 and 2) excluding power sales to the grid	0.489	0.526	0.508	Not Applicable	CCE-4: C4	Not Applicable	GRI 305-4	Not Applicable

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Methane Emissions (CH_4) (thousand metric tons)								
Methane Emissions (Scope 1 and 2) - Oil & Gas, operated basis *Item verified by ERM CVS	76.21*	113.96	109.25	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-5: C1	EM-EP-110a.1 EM-MD-110a.1	Not Applicable	11.1.5
Methane Emissions (Scope 1 and 2) - OxyChem, operated basis *Item verified by ERM CVS	0.19*	0.22	0.23	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-5: C1	Not Applicable	Not Applicable	Not Applicable
Methane Emissions (Scope 1 and 2) - Total Oxy, operated basis *Item verified by ERM CVS	76.40*	114.18	109.48	Planet, Core: Climate Change Greenhouse Gas Emissions	CCE-5: C1	EM-EP-110a.1 EM-MD-110a.1	Not Applicable	Not Applicable
Methane Emissions (CH_4) Intensity								
Methane Emissions Intensity - Oil & Gas, operated basis (% of gas produced and marketed) [5]	0.26	0.34	0.33	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Methane Emissions Intensity - Oil & Gas, operated basis (metric ton CH_4/BOE)	0.00016	0.00022	0.00019	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Methane Emissions Intensity - OxyChem (metric ton CH_4/Thousand metric tons of Production)	0.0163	0.0196	0.0195	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Gas Flaring – Oil & Gas [6]								
Emissions from flaring (million metric tons CO_2e)	1.81	1.94	2.32	Not Applicable	CCE-7: C4	EM-EP-110a.2	Not Applicable	11.1.5
Flaring emissions intensity (metric tons CO_2e/BOE)	0.00381	0.00382	0.00401	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Volume of routine gas flared (MMscf)	13,670	11,630	11,586	Not Applicable	CCE-7: A2	Not Applicable	Not Applicable	Not Applicable
Volume of non-routine gas flared (MMscf)	13,964	11,079	22,064 [7]	Not Applicable	CCE-7: A2	Not Applicable	Not Applicable	Not Applicable
Volume of safety gas flared (MMscf)	4,837	5,830		Not Applicable	CCE-7: A2	Not Applicable	Not Applicable	Not Applicable
Volume of total gas flared (MMscf)	32,472	28,539	33,649	Not Applicable	CCE-7: C1	Not Applicable	Not Applicable	Not Applicable

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Other Air Emissions — Oil & Gas [8]								
Nitrogen Oxides (NO_X) (thousand metric tons)	26.44	45.24	47.25	Planet, Expanded: Air Pollution	ENV-5: C1	EM-EP-120a.1 EM-MD-120a.1 RT-CH-120a.1	GRI 305-7	11.3.2
Sulfur Oxides (SO_X) (thousand metric tons)	3.88	4.12	3.78	Planet, Expanded: Air Pollution	ENV-5: C1	EM-EP-120.a1 EM-MD-120a.1 RT-CH-120.a1	GRI 305-7	11.3.2
Carbon Monoxide (CO) (thousand metric tons)	31.00	39.99	40.42	Planet, Expanded: Air Pollution	ENV-5: A1	Not Applicable	GRI 305-7	11.3.2
Volatile Organic Compounds (VOCs) (thousand metric tons)	139.69	141.32	150.15	Planet, Expanded: Air Pollution	ENV-5: C1	EM-EP-120a.1 EM-MD-120a.1 RT-CH-120a.1	GRI 305-7	11.3.2
Particulate Matter (PM) (thousand metric tons)	2.94	1.77	1.97	Planet, Expanded: Air Pollution	ENV-5: A1	EM-EP-120a.1 EM-MD-120a.1	GRI 305-7	11.3.2
Hazardous Air Pollutants (HAPs) (thousand metric tons)	1.88	NA	NA	Planet, Expanded: Air Pollution	ENV-5: A1	RT-CH-120a.1	GRI 305-7	11.3.2
Other Air Emissions — OxyChem								
Nitrogen Oxides (NO_x) (thousand metric tons)	2.27	2.25	2.28	Planet, Expanded: Air Pollution	ENV-5: C1	EM-EP-120a.1 EM-MD-120a.1 RT-CH-120a.1	GRI 305-7	11.3.2
Sulfur Oxides (SO_x) (thousand metric tons)	0.02	0.02	0.02	Planet, Expanded: Air Pollution	ENV-5: C1	EM-EP-120a.1 EM-MD-120a.1 RT-CH-120a.1	GRI 305-7	11.3.2
Carbon Monoxide (CO) (thousand metric tons)	0.65	0.65	0.68	Planet, Expanded: Air Pollution	ENV-5: A1	Not Applicable	GRI 305-7	11.3.2
Volatile Organic Compounds (VOCs) (thousand metric tons)	0.33	0.34	0.36	Planet, Expanded: Air Pollution	ENV-5: C1	EM-EP-120a.1 EM-MD-120a.1 RT-CH-120a.1	GRI 305-7	11.3.2
Particulate Matter (PM) (thousand metric tons)	0.75	0.73	0.76	Planet, Expanded: Air Pollution	ENV-5: A1	EM-EP-120a.1 EM-MD-120a.1	GRI 305-7	11.3.2
Hazardous Air Pollutants (HAPs) (thousand metric tons)	0.20	0.18	0.19	Planet, Expanded: Air Pollution	ENV-5: A1	RT-CH-120a.1	GRI 305-7	11.3.2
Ozone Depleting Substances (ODS) (thousand pounds)	17.95	26.04	11.31	Planet, Expanded: Air Pollution	ENV-5: A1	Not Applicable	GRI 305-6	11.3.2

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Energy, Electricity and Hydrogen Utilization								
Energy consumption (GJ) - Total Oxy [9]	250,157,753	151,444,601	274,902,302	Not Applicable	CCE-6: C1	RT-CH-130a.1	GRI 302-1 GRI 302-2	Not Applicable
Total energy intensity, MMBtu/metric ton - OxyChem	9.49	10.43	9.85	Not Applicable	CCE-6: A2	Not Applicable	GRI 302-3	Not Applicable
Total electricity consumption (MWh) -Total Oxy	13,162,023	17,409,724	14,333,909	Not Applicable	Not Applicable	RT-CH-130a.1	GRI 302-1	Not Applicable
Total renewable electricity on-site generation and consumption (MWh) - Total Oxy	33,050	34,134	14,730	Not Applicable	CCE-3: A7	RT-CH-130a.1	GRI 302-1	Not Applicable
Total hydrogen combusted as non-carbon fuel (MMBtu) - OxyChem [10]	10,537,151	10,391,539	9,308,493	Not Applicable	CCE-3: A4	Not Applicable	Not Applicable	Not Applicable
Environmental Spills and Fines								
Reportable spills, crude - volume (bbl.)	7,856	7,842	6,376	Not Applicable	ENV-6: C2	EM-EP-160a.2 EM-MD-160a.4	GRI 306-3	11.8.2
Reportable spills, crude - normalized volume (bbl/MMBOE)	17	15	11	Not Applicable	ENV-6: C2	EM-EP-160a.2 EM-MD-160a.4	GRI 306-3	11.8.2
Reportable spills, crude - number	178	217	199	Not Applicable	ENV-6: C2	EM-EP-160a.2 EM-MD-160a.4	GRI 306-3	11.8.2
Spilled hydrocarbons recovered - volume (bbl)	6,586	5,777	4,357	Not Applicable	ENV-6: A1	EM-EP-160a.2 EM-MD-160a.4	Not Applicable	11.8.2
Reportable spills, produced water - volume (bbl)	36,181	59,534	34,691	Not Applicable	ENV-6: A5	Not Applicable	GRI 306-3	11.8.2
Reportable spills, produced water - number	156	142	255	Not Applicable	ENV-6: A5	Not Applicable	GRI 306-3	11.8.2
Reportable spills, chemicals - mass (lbs) [11]	103,290	10,597	61,615	Not Applicable	Not Applicable	Not Applicable	GRI 306-3	11.8.2
Reportable spills, chemicals - number [11]	22	11	16	Not Applicable	Not Applicable	Not Applicable	GRI 306-3	11.8.2
Spills, vinyl resin - mass (lbs) [12]	0	0		Not Applicable	ENV-6: A5	Not Applicable	GRI 306-3	11.8.2
Spills, vinyl resin - number [12]	0	0		Not Applicable	ENV-6: A5	Not Applicable	GRI 306-3	11.8.2
Environmental and safety fines and citations (US$)	237,765	186,855	186,446	Not Applicable	Not Applicable	Not Applicable	GRI 2-27	Not Applicable
Hydraulic Fracturing [13]								
Percent of hydraulically fractured wells for which where there is public disclosure of frac-fluid chemicals used	100	100	100	Not Applicable	Not Applicable	EM-EP-140a.3	Not Applicable	Not Applicable
Percent of hydraulically fractured sites where ground or surface water quality deteriorated compared to baseline	0	0	0	Not Applicable	Not Applicable	EM-EP-140a.4	Not Applicable	Not Applicable

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Water								
Total water withdrawn (megaliters) [14]	480,579	419,680	610,579	Not Applicable	ENV-1: A4, A7	RT-CH-140a.1	GRI 303-3	11.6.4
Total fresh water withdrawn (megaliters)	140,585	145,853	257,770	Planet, Core: Freshwater availability Water consumption and withdrawal	ENV-1: C1	EM-EP-140a.1	GRI 303-3	11.6.4
Total non-fresh water withdrawn (megaliters)	339,994	273,827	352,809	Not Applicable	ENV-1: A4	Not Applicable	GRI 303-3	11.6.4
Total fresh water consumption (megaliters)[15]	55,997	41,480	47,448	Planet, Core: Freshwater availability Water consumption and withdrawal	ENV-1: C2	EM-EP-140a.1	GRI 303-5	11.6.6
Total wastewater discharged (megaliters)	188,471	196,596	295,536	Not Applicable	ENV-2: A5	Not Applicable	GRI 303-4	11.6.5
Total produced/flowback water recycled/reused (megaliters) [16]	226,134	234,959	247,837	Not Applicable	ENV-1: A10	EM-EP-140a.2	Not Applicable	Not Applicable
Percent produced/flowback water recycled/reused (%) [16]	47	60	41	Not Applicable	ENV-1: A10	EM-EP-140a.2	Not Applicable	Not Applicable
Waste [17]								
Hazardous waste (thousand tons) — Oil & Gas	105			Not Applicable	ENV-7: C3	RT-CH-150a.1	GRI 306-3	11.5.4
Hazardous waste (thousand tons) — OxyChem	62	48	50	Not Applicable	ENV-7: C3	Not Applicable	GRI 306-3	11.5.4
Non-hazardous waste (thousand tons)	103	80	58	Not Applicable	ENV-7: C3	Not Applicable	GRI 306-4	11.5.5
Total waste recycled (thousand tons)	92	85	120	Not Applicable	ENV-7: C3	RT-CH-150a.1	GRI 306-5	11.5.6
Total waste to landfill (thousand tons)	73	61	46	Not Applicable	ENV-7: C3	Not Applicable	Not Applicable	Not Applicable
Biodiversity and Habitat Conservation								
Acres of land under management, including Conservation Agreements or Candidate Conservation Agreements [18]	805,766	811,820	812,187	Not Applicable	Not Applicable	Not Applicable	GRI 304-3	11.4.4
Number of designated habitats protected or restored [19]	12	14	12	Not Applicable	Not Applicable	Not Applicable	GRI 304-3	11.4.4

PEOPLE AND PROSPERITY

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Fatalities								
Employees	0	0	0	People, Core: Health and well-being	SHS-3: C1	EM-EP-320a.1 RT-CH-320a.1	GRI 403-9	11.9.10
Contractors	1	0	0	People, Core: Health and well-being Health and safety	SHS-3: C1	EM-EP-320a.1 RT-CH-320a.1	GRI 403-9	11.9.10
Total Fatalities	1	0	0	People, Core: Health and well-being Health and safety	SHS-3: C1	EM-EP-320a.1 RT-CH-320a.1	GRI 403-9	11.9.10
Injuries and Safety Incidents								
Total Injury and Illness Incident Rate (IIR), employees only	0.31	0.19	0.36	People, Core: Health and well-being Health and safety	SHS-3: C1, A1	EM-EP-320a.1 RT-CH-320a.1	GRI 403-9, GRI403-10	11.9.10 11.9.11
Total Injury and Illness Incident Rate (IIR), employees and contractors	0.31	0.21	0.29	People, Core: Health and well-being Health and safety	SHS-3: C1, A1	EM-EP-320a.1 RT-CH-320a.1	GRI 403-9, GRI403-10	11.9.10 11.9.11
Days Away Restricted and Transfer (DART), employees only	0.22	0.12	0.17	People, Core: Health and well-being Health and safety	SHS-3: C1, A1	Not Applicable	Not Applicable	Not Applicable
Process Safety Incidents								
Tier 1 process safety events [20]	128	148	182	Not Applicable	SHS-6: C1	EM-EP-540a. RT-CH-540a.1	Not Applicable	11.8.3
Number of reported pipeline incidents	0	0	0	Not Applicable	Not Applicable	EM-MD-540a.1	Not Applicable	Not Applicable

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Employee Diversity								
Number of Total Employees [21]	11,678	11,764	14,350	Not Applicable	Not Applicable	Not Applicable	GRI 2-7	Not Applicable
Number of U.S. Employees	7,944	8,108	10,290	Not Applicable	Not Applicable	Not Applicable	GRI 2-7	Not Applicable
Female Employees, U.S. FTE (%)	22	22	22	People, Core: Dignity and Equality Diversity and Inclusion	SOC-5: C2	Not Applicable	GRI 2-7 GRI 405-1	11.11.5
Minority Employees, U.S. FTE (%)	34	33	30	People, Core: Dignity and Equality Diversity and Inclusion	SOC-5: C2	Not Applicable	GRI 405-1	11.11.5
Number of Contractors	23,563	21,179	40,158	People, Core: Dignity and Equality Diversity and Inclusion	Not Applicable	Not Applicable	GRI 2-8	Not Applicable
Women in Professional Positions (%), U.S. FTE	30	31	31	People, Core: Dignity and Equality Diversity and Inclusion	SOC-5: C2	Not Applicable	GRI 405-1	11.11.5
Women in Management Positions (%), U.S. FTE	21	22	21	People, Core: Dignity and Equality Diversity and Inclusion	SOC-5: C3	Not Applicable	GRI 405-1	11.11.5
Minorities in Professional Positions (%), U.S. FTE	36	35	29	People, Core: Dignity and Equality Diversity and Inclusion	SOC-5: C2	Not Applicable	GRI 405-1	11.11.5
Minorities in Management Positions (%), U.S. FTE	24	23	24	People, Core: Dignity and Equality Diversity and Inclusion	SOC-5: C3	Not Applicable	GRI 405-1	11.11.5
Local/National Employees Compared to Expatriate Employees in Management Positions (%)	95	99	99	People, Core: Dignity and Equality Diversity and Inclusion	SOC-5: C3 SOC-15: C1	Not Applicable	GRI 202-2	11.11.2
Board Director Diversity [22]								
Independent Directors (%)	91	91	89	Governance, Core: Quality of Governing Body Governance Body Composition	Not Applicable	Not Applicable	GRI 2-9	Not Applicable
Women on Board (%)	18	18	33	Governance, Core: Quality of Governing Body Governance Body Composition	GOV-1: A1	Not Applicable	GRI 2-9 GRI 405-1	11.11.5
Minorities on Board (%)	27	18	11	Governance, Core: Quality of Governing Body Governance Body Composition	GOV-1: A1	Not Applicable	GRI 2-9 GRI 405-1	11.11.5
Employee Turnover								
Voluntary Employee Turnover (%)	3.6	7.8	15.8	Prosperity, Core: Employment and wealth generation Absolute number and rate of employment	SOC-6: A1	Not Applicable	GRI 401-1	11.10.2
Non-voluntary Employee Turnover (%)	2.4	5.5	5.6	Prosperity, Core: Employment and wealth generation Absolute number and rate of employment	SOC-6: A1	Not Applicable	GRI 401-1	11.10.2

METRIC	2021	2020	2019	WEF-IBC	IPIECA-API-IOGP	SASB	GRI Universal Standard	GRI Oil & Gas Sector Standard
Workforce Training								
Workforce Training, total avg hrs./year, per U.S. FTE	22.2	25.3	30.3	People, Core: Skills for the future Training provided	SOC-7: C2	Not Applicable	GRI 404-1	11.10.6
Workforce HSE Training								
Workforce HSE Training, total avg hrs./year, per global FTE	15.4	35.7		People, Core: Skills for the future Training provided	SOC-7: C2	EM-EP-320a.1	GRI 404-1	11.10.6
Percent of Employees Unionized								
Percent of Employees Unionized, U.S. FTE	6.1	6.6	5.3	People, Expanded: Dignity and Equality Freedom of association and collective bargaining	Not Applicable	Not Applicable	GRI 2-30	Not Applicable
Total Taxes and Royalties Paid								
Total Taxes and Royalties Paid (US$, millions)	2,280	2,170	3,847	Prosperity, Core: Community and social vitality Total tax paid	GOV-4: C4	Not Applicable	Not Applicable	Not Applicable
U.S.	1,569	1,654	2,169	Prosperity, Expanded: Community and social vitality Total tax paid for significant locations	GOV-4: C4	Not Applicable	Not Applicable	Not Applicable
Non-U.S.	712	516	1,678	Prosperity, Expanded: Community and social vitality Total tax paid for significant locations	GOV-4: C4	Not Applicable	Not Applicable	Not Applicable
Total Social Investments								
Total Social Investments, global (US$, millions)[23]	29.1	21.1	35.2	Prosperity, Expanded: Community and social vitality Total social investment	SOC-13: C2	Not Applicable	GRI 201-1	11.21.1
Charitable Giving, (US$, millions) [24]	2.9	6.1	3.6	Prosperity, Expanded: Community and social vitality Total social investment	SOC-13: A2	Not Applicable	GRI 201-1	11.21.1
Total Annual Capital Expenditures								
Total Annual Capital Expenditures (US$, millions)	2,870	2,535	6,367	Prosperity, Core: Employment and wealth generation Financial investment contribution	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Total Production								
Production of Crude (Mbbl) operated - Gross	329,049	348,127	410,057	Not Applicable	Not Applicable	EM-EP-000.A	Not Applicable	Not Applicable
Production of Natural Gas (MMcf) operated - Gross	876,996	957,282	1,014,439	Not Applicable	Not Applicable	EM-EP-000.A	Not Applicable	Not Applicable
Total Production of Oil & Natural Gas operated - Gross (MBOE)	475,215	507,674	579,130	Not Applicable	Not Applicable	EM-EP-000.A	Not Applicable	Not Applicable
Production of Chemicals (metric tons)	11,571,432	11,080,612	12,062,219	Not Applicable	Not Applicable	RT-CH-000.A	Not Applicable	Not Applicable
Total Production Sites[25]								
Onshore operated oil and gas basins or regions	5	5	7	Not Applicable	Not Applicable	EM-EP-000.C	Not Applicable	Not Applicable
Offshore operated oil and gas platforms	10	10	10	Not Applicable	Not Applicable	EM-EP-000.B	Not Applicable	Not Applicable
Chemical manufacturing plants	23	24	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

FOOTNOTES AND EXPLANATIONS TO ESG PERFORMANCE INDICATORS

* These estimates have been verified by ERM Certification and Verification Services, Inc. (ERM CVS) per the Independent Assurance Statement posted on Oxy.com/Sustainability.

[1] Oxy applies operational control as our organizational boundary and primary approach to reporting. We include within this boundary the operated oil and gas assets of Oxy and Anadarko, the operated assets of Occidental Chemical Corporation (OxyChem), and certain assets not part of oil and gas or chemical operations such as company-operated aircraft and property management; we exclude operated assets that are held for sale or sold in a given year. Oxy continued to update our processes in 2021 and 2022 for estimating and reporting Scope 1 and 2 GHG emissions in our operations to reflect our ongoing integration of Oxy and Anadarko processes and systems. GHG-related data for 2019 and 2020 (e.g., GHG emissions, methane and flaring) from prior reports have been updated accordingly in this summary. Totals may not equal the sum of components due to independent rounding. We also provide certain production and emissions data on an equity basis, where data are available, excluding assets that are held for sale or sold in a given year. Equity-based production data reflect oil and gas production presented in our annual Form 10-K and the production schedule of our earnings release for the fourth quarter of the applicable year, and equity-based Scope 3 emissions estimates reflect that total equity production. Equity-based Scope 1 and 2 emissions data for Oxy's international assets reflect Oxy's proportionate interest in international oil and gas joint ventures, whether operated by Oxy or by third parties. Equity-based Scope 1 and 2 emissions data for Oxy's U.S. assets reflect our average net royalty interest in Oxy's operated U.S. assets, while excluding emissions from Oxy's interests in U.S. plants and fields operated by third parties, for which we do not currently have emissions data. We are still evaluating processes to estimate GHG emissions from joint ventures operated by third parties and expect to be in a position to provide more information on those interests in future summaries.
[2] Oxy commissioned a limited assurance verification by ERM CVS for: a) 2019, 2020 and 2021 combined Scope 1 and 2 GHG emissions estimates for operated oil and gas assets and OxyChem; b) 2021 Scope 1, Scope 2, and methane emissions for operated oil and gas assets, OxyChem and certain other assets such as company-operated aircraft and property management; and c) 2021 Scope 3 GHG emissions for our three most relevant categories in our downstream oil and gas value chain, which include transportation, refining, and use of our sold oil and gas products (Category 9, 10, and 11, respectively). See the Independent Assurance Statement posted on Oxy.com/Sustainability.
[3] Oxy's Scope 3 estimates address the three most relevant categories in our downstream oil and gas value chain - the transportation, refining, and use of our sold oil and gas products (Category 9, 10, and 11, respectively), applying the 2009 and 2021 API Compendium and U.S.-based emission factors and the EPA/IPCC AR4 GWP to our production on an operated and equity basis. The estimates for transportation and refining reflect our production entirely as oil on a BOE basis with further transportation of the refined products, rather than reflecting transportation and processing of natural gas or natural gas liquids (NGLs) that would be expected to generate lower emissions. The estimates for use of our sold products assume 100% combustion of oil, NGLs, natural gas and downstream products and ignore non-emitting uses.
[4] Other Operations include company-operated aviation and property management.
[5] Methane emissions intensity refers to the amount of methane emissions from operated oil and gas assets as a percentage of the total gas produced and marketed from operated oil and gas assets. This approach is consistent with the Natural Gas Sustainability Initiative (NGSI) protocol, Oil and Gas Climate Initiative (OGCI) and One Future methodologies.
[6] In 2020, Oxy endorsed the World Bank's Initiative for Zero Routine Flaring (ZRF) by 2030 and began applying the World Bank's classification of routine flaring to company-specific data. In 2019, the total flaring volume and combined non-routine and safety flaring volume are reported.
[7] In 2019, the volumes of non-routine and safety flaring were estimated on a combined basis and not differentiated.
[8] For 2021, NOx, SOx, CO, VOCs, and PM estimates are based on standard emission factors and equipment inventories for Oil and Gas and OxyChem. For 2019 and 2020, OxyChem and international Oil and Gas estimates were calculated in the same manner, while U.S. Oil and Gas estimates were based on operated production and throughput volume and historical emission intensities of respective constituents. 2019 and 2020 estimates for HAP include OxyChem only. 2021 estimates for HAP include both OxyChem and Oil and Gas. ODS data for 2019, 2020 and 2021 are for OxyChem only.
[9] Energy consumption (GJ) - Total Oxy represents estimates of energy consumed by OxyChem plus purchased electricity consumed by Oil and Gas. OxyChem's total energy consumption includes purchased electricity, natural gas and hydrogen combusted as fuel to produce energy and purchased steam, less energy associated with power exported to the grid. Note that natural gas and hydrogen used as feedstocks for chemical manufacturing processes are excluded from this amount. Total energy consumption for Oil and Gas consists of purchased electricity and excludes gasoline, diesel, NGLs and natural gas fuel usage in operations.
[10] Hydrogen volumes combusted as non-carbon fuel within OxyChem operations only.
[11] Spills are reported in excess of a regulatory reportable quantity threshold for a chemical — e.g., vinyl chloride 1 lb.; chlorine 10 lbs.; caustic 1,000 lbs., etc. — from OxyChem operations only.
[12] Annualized release of plastic pellets, flakes, or granules from containment to ground or surface water outside of OxyChem facilities and estimated to be greater than 0.5 liters or 0.5 kilograms per incident, per the American Chemistry Council's Operation Clean Sweep Blue Protocol.
[13] Per SASB EM-EP-140a.3 and EM-EP-140a.4 metrics.
[14] Total water withdrawn is defined as total fresh and non-fresh sources (surface, municipal, groundwater, produced water and water from third-party sources). Fresh water defined as TDS <1,000 ppm.
[15] Estimated 2019 freshwater consumption has been updated to remove certain non-fresh water consumption by OxyChem.
[16] Produced/flowback water recycled/reused is defined as treated and/or untreated produced water used for completions, re-injection for improved or enhanced oil recovery or for other beneficial reuse.
[17] 2021 waste data, excluding wastewater, are from OxyChem and international oil and gas operations only, as U.S. oil and gas operations are generally exempt from federal waste regulation. 2019 and 2020 estimates for waste are from OxyChem operations only.
[18] CA and CCA for U.S. onshore Oil and Gas acreage. In addition, Oxy participates in conservation efforts of the National Fish and Wildlife Foundation and other organizations on other public and private lands.
[19] Dedicated protected areas are defined under USACE permit, IPIECA or IUCN.
[20] Tier 1 Process Safety Events are defined by API 754 and per SASB EM-EP-540a.1 and RT-CH-540a.1 metrics.
[21] Per Oxy's Annual Reports on Form 10-K, including U.S. and international employees.
[22] The Board's composition reflects Board members active as of December 31, 2021.
[23] Defined as U.S. charitable contributions and international social projects and community investments by Oxy to support public-private initiatives and foundations.
[24] 501(c)3 and 170(c) U.S. charitable and non-U.S. contributions.
[25] Per SASB EM-EP-000.C and EM-EP-000.B activity metrics.

ABOUT OUR GHG EMISSIONS ESTIMATES

The estimated Oxy GHG emissions described in this summary are derived from a combination of measured and estimated data using reasonably available information as of December 31, 2021. Oxy applies operational control as our organizational boundary and primary approach to reporting. We include within this boundary the operated oil and gas assets of Oxy and Anadarko, the operated assets of Occidental Chemical Corporation (OxyChem), and certain assets not part of oil and gas or chemical operations such as company-operated aircraft and property management; we exclude operated assets that are held for sale or sold in a given year. We use industry standards and practices for estimating GHG emissions, including guidance from the GHG Protocol, IPCC, SASB, U.S. EPA, API and IPIECA. Oxy has endeavored to estimate direct GHG emissions from our operations (Scope 1), indirect emissions associated with the generation by others of electricity, steam or heat that we purchase for use in our operations (Scope 2), and the three categories of emissions generated by others in our downstream oil and gas value chain (Scope 3) that we believe are most relevant - downstream transportation and distribution of our oil and gas products (Category 9), processing and refining of our oil and gas products (Category 10), and use of our sold products by consumers (Category 11). We are engaged in an ongoing integration of Oxy and Anadarko processes and systems, including those with respect to equipment inventories and estimation or measurement of GHG emissions. During this effort, we have applied in this summary what we believe are conservative assumptions about the number and type of emissions-generating equipment, which we expect to continue to refine as we develop more comprehensive emissions inventories. The uncertainty associated with Oxy's emissions estimates depends on variation in the processes and operations, the availability of sufficient representative data, the quality of available data, and the methodologies used for measurement and estimation. Accordingly, we expect to continue to review, and may update as warranted, our emissions estimates for the years presented in the event of significant changes as additional data become available, reporting and estimation regulations or protocols are revised, or estimates are supplemented by measurements and to reflect significant changes to Oxy's assets, operations or organizational boundaries.

We also provide certain production and emissions data on an equity basis, where data are available, excluding assets that are held for sale or sold in a given year. Equity-based production data reflect oil and gas production presented in our annual Form 10-K and the production schedule of our earnings release for the fourth quarter of the applicable year, and equity-based Scope 3 emissions estimates reflect that total equity production. Equity-based Scope 1 and 2 emissions data for Oxy's international assets reflect Oxy's proportionate interest in international oil and gas joint ventures, whether operated by Oxy or by third parties. Equity-based Scope 1 and 2 emissions data for Oxy's U.S. assets reflect our average net royalty interest in Oxy's operated U.S. assets, while excluding emissions from Oxy's interests in U.S. plants and fields operated by third parties, for which we do not currently have emissions data. We are still evaluating processes to estimate GHG emissions from joint ventures operated by third parties and expect to be in a position to provide more information on those interests in future summaries.

Oxy's Scope 3 estimates address the three most relevant categories in our downstream oil and gas value chain - the transportation, refining, and use of our sold oil and gas products (Category 9, 10, and 11, respectively), applying the 2009 and 2021 API Compendium and U.S.-based emission factors and the EPA/IPCC AR4 GWP to our production on an operated and equity basis. The estimates for transportation and refining reflect our production entirely as oil on a BOE basis with further transportation of the refined products, rather than reflecting transportation and processing of natural gas or natural gas liquids (NGLs) that would be expected to generate lower emissions. The estimates for use of our sold products assume 100% combustion of oil, NGLs, natural gas and downstream products and ignore non-emitting uses. While we believe the downstream oil and gas value chain comprises the Scope 3 categories most relevant to Oxy, we are continuing to assess methodologies to estimate emissions associated with these and other Scope 3 categories with respect to our oil and gas, chemicals and other operations and products. Reporting of estimated emissions generated by others helps to evaluate the lifecycle emissions associated with our operations and products and to aid in expressing the magnitude of our net-zero goals and ambitions and does not indicate an acceptance by Oxy of responsibility for the emissions of others.

There are multiple proposed or recently adopted changes to various GHG reporting regulations and protocols, including from the U.S. EPA, the SEC, the GHG Protocol and certain countries and states, as well as for additional controls, fees or taxes on emissions. Given the potential significance of these changes for estimation and reporting, Oxy may update or modify our reported emissions and our current suite of GHG goals and targets to reflect new regulations and protocols, although we expect to retain our overarching net-zero goals and to continue to implement emissions reduction plans that we believe will complement our investments in Direct Air Capture, Carbon Capture, Utilization and Storage and other low-carbon technologies and infrastructure.