

	2019	2018	2017	2016
Environmental and Climate				
Greenhouse Gas (GHG) Emissions (million metric ton CO₂ equivalent)--Occidental¹				
Total GHGs (Scope 1 + 2) operated basis	28.37	23.02	22.84	22.84
Total GHGs (Scope 1 + 2) equity basis	17.82	14.46	14.65	15.26
Direct GHGs (Scope 1) operated basis	21.95	16.98	16.84	16.29
Direct GHGs (Scope 1) equity basis	13.76	10.37	10.54	10.49
Indirect GHGs (Scope 2) operated basis	6.42	6.04	6.00	6.55
Indirect GHGs (Scope 2) equity basis	4.06	4.10	4.11	4.77
GHG Emissions Intensity (metric tons CO₂e/BOE)--Oil & Gas²				
Direct GHG intensity (Scope 1) operated basis	0.0186	0.0262	0.0293	0.0540
Direct GHG intensity (Scope 1) equity basis	0.0186	0.0225	0.0260	0.0240
Indirect GHG intensity (Scope 2) operated basis	0.0055	0.0091	0.0099	0.0192
Indirect GHG intensity (Scope 2) equity basis	0.0055	0.0095	0.0101	0.0104
GHG Emissions Intensity (metric tons CO₂e/MT)--OxyChem				
Direct GHG intensity (Scope 1) operated basis	0.515	0.471	0.480	0.526
Indirect GHG intensity (Scope 2) operated basis	0.164	0.176	0.186	0.251
Methane Emissions (CH₄) (thousand metric tons)				
Methane Emissions operated basis--Occidental total ¹	112.05	61.04	46.75	49.93
Methane Emissions, Operated basis--Oil & Gas	72.67	60.92	46.63	49.81
Methane Emissions, Operated basis -- OxyChem	0.11	0.12	0.12	0.12
Methane Emissions, Operated basis -- Western Midstream	39.27	N/A	N/A	N/A
Methane Emissions (CH₄) Intensity				
Methane Emissions Intensity--Oil & Gas, operated basis (% of marketed gas) ³	0.51	0.64	0.59	0.67
Methane Emissions Intensity--OxyChem (tonne/thousand MT)	9.06	9.13	9.26	10.30
Gas Flaring⁴				
Volume of gas vented/flared--Oil & Gas (MMscf)	30,582	21,094	29,235	22,968
Emissions from venting/flaring--Oil & Gas (million metric tons CO ₂ e)	1.69	1.55	1.85	1.43
Other Air Emissions⁸				
Nitrogen oxides (NOx) (thousand metric tons)	59.6	24.9	22.6	23.0
Sulfur oxides (SOx) (thousand metric tons)	45.8	18.6	15.6	14.7
Carbon monoxide (CO) (thousand metric tons)	49.1	18.1	16.4	15.7
Volatile Organic Compounds (VOCs) (thousand metric tons)	179.9	57.0	47.7	49.9
Particulate Matter (PM) (thousand metric tons)	1.6	1.9	1.7	1.7
Hazardous Air Pollutants (HAPs) (thousand metric tons)	0.6	0.2	0.2	0.2
Ozone Depleting Substances (ODS) (thousand pounds)	11.3	10.6	11.0	10.2
Energy Consumption, Generation and CO₂ Storage				
Total energy consumption (GJ)	274,902,302	203,000,000	215,000,000	203,000,000
Total electricity consumption (MWh)	14,333,909	8,800,000	13,829,000	-
Total renewable energy consumption (MWh)	9	-	-	-
Total net electricity generated (MWh)	520,947	-	-	-
Total gross CO ₂ consumption ⁹ (metric tons)	15,271,657	6,659,000	4,060,000	-
Total gross CO ₂ injected/stored for CCS (metric tons)	7,072,115	6,108,800	12,456,489	-
Spills to Environment¹⁰				
Reportable spills, crude – volume (bbl)	3,839	3,775	2,929	4,952
Reportable spills, crude – normalized volume (bbl/MMBOE)	0.01	19.0	16.4	25.9
Reportable spills, crude – number	354	172	181	164
Spilled hydrocarbons recovered – volume (bbl)	1,392	-	-	-
Reportable spills, produced water – volume (bbl)	14,913	-	-	-
Reportable spills, produced water – number	163	-	-	-
Environmental and safety fines and citations (US\$)	186,446	707,033	1,399,733	-
Hydraulic Fracturing				
Percent of hydraulically fractured wells where there is publically available frac-fluid chemicals used	100	100	100	100
Percent of hydraulically fractured sites where ground or surface water quality deteriorated compared to baseline	0	0	0	0
Water				
Total water withdrawn ¹¹ (megaliters)	610,579	585,389	515,938	529,621
Total fresh water withdrawn (megaliters)	257,770	131,376	109,644	113,333
Total non-fresh water withdrawn (megaliters)	352,809	454,013	406,294	416,288
Total fresh water consumption (megaliters)	63,141	17,168	13,937	16,991
Total wastewater discharged (megaliters)	295,536	221,855	197,327	134,725
Total produced/flowback water recycled/reused ¹² (megaliters)	247,837	-	-	-
Percent produced/flowback water recycled/reused ¹² (%)	41	43	51	53
Waste				
Hazardous waste (thousand tons)	79.0	51.4	44.1	45.4
Non-hazardous waste (thousand tons)	122.0	55.5	91.1	77.1
Waste recycled (thousand tons)	0.9	0.17	0.19	0.18
Total waste to landfill (thousand tons)	10.2	-	-	-
Biodiversity and Habitat Conservation				
Acres of land under management, including Conservation Agreements or Candidate Conservation Agreements ¹³	812,187	-	-	-
Number of designated habitats protected or restored ¹⁴	12	-	-	-

	2019	2018	2017	2016
Health and Safety				
Fatalities				
Total Fatalities	0	0	0	0
Employees	0	0	0	0
Contractors	0	0	0	0
Injuries and Safety Incidents				
Total Injury and Illness Incident Rate (IIR), employees only	0.36	0.31	0.20	0.25
Total Injury and Illness Incident Rate (IIR), employees + contractors	0.29	0.32	0.26	0.28
Days Away Restricted and Transfer (DART), employees only	0.17	0.18	0.16	0.16
Process Safety Incidents				
Tier 1 process safety events ¹⁵	182	-	-	-
Number of reported pipeline incidents	1	-	-	-
Social and Governance Data				
Employee Diversity				
Number of Employees	14,350	11,136	10,927	11,071
Number of Contractors	40,158	27,094	26,403	22,420
Women in Supervisory/Professional Positions (%), U.S. FTE	31.3	28.0	28.5	28.5
Women in Management/Senior Leadership Positions (%), U.S. FTE	21.0	19.3	17.6	17.2
Minorities in Supervisory/Professional Positions (%), U.S. FTE	28.6	35.7	34.4	34.7
Minorities in Management/Senior Leadership Positions (%), U.S. FTE	23.9	22.2	20.6	19.3
Local/National Employees Compared to Expatriate Employees in Management Positions (%)	99.3	84.2	81.5	80.5
Board Director Diversity				
Independent Directors (%)	90.9	88.9	90.9	90.9
Women on Board (%)	18.2	33.3	27.3	27.3
Employee Turnover ¹⁶				
Voluntary Employee Turnover (%)	15.8	4.8	3.6	5.2
Non-voluntary Employee Turnover (%)	5.6	2.0	2.0	3.4
Workforce Training , total hrs/year, per U.S. FTE	30.3	25.4	27.8	34.2
Percent of Employees Unionized	5.3	7.8	7.8	10.3
Total Taxes Paid , Globally ¹⁷ (US\$)	3,847,100,000	2,166,000,000	-	-
Total Social Investments (US\$)				
Charitable Giving (US\$) ¹⁸	3,560,414	4,964,359	-	-

Notes and explanations:

¹: Occidental Petroleum Corporation 2016, 2017, and 2018 data includes Occidental Oil & Gas and OxyChem; 2019 data includes combined OXY+APC Oil & Gas, OxyChem, and Western Midstream (WES)

²: GHG emissions intensity 2016, 2017, and 2018 data includes Occidental Oil & Gas; 2019 data includes combined OXY+APC Oil & Gas (excludes OxyChem and Western Midstream)

³: Methane emissions intensity for Oil & Gas operated assets is calculated as % of the total gas sold. This approach is aligned with OGCI and One Future methodologies. Data for 2016, 2017, and 2018 includes Oxy Oil & Gas, and 2019 data includes combined Oxy+APC operated assets.

⁴: Flared gas volume includes total of Routine, Non-Routine, and Safety flaring.

⁵: Per SASB EM-EP-110a.1, direct (Scope 1) GHG emissions

⁶: Vented/flared gas reported for combined OXY+APC oil and gas businesses, operated basis.

⁷: Routine venting/flaring includes safety-related releases

⁸: Reported on operating basis

⁹: Total gross CO₂ consumption defined as CO₂ sources transferred to and sequestered by Oxy for enhanced oil recovery (EOR)

¹⁰: Volume of reportable spills of crude and condensate, excluding spills caused by third parties or natural disasters net of quantities recovered in liquid form

¹¹: Total water withdrawn is defined as total fresh and non-fresh sources (surface, municipal and other sources). Does not include groundwater, produced and water from third-party sources. Fresh water defined as TDS <1,000 ppm

¹²: Produced/flowback water recycled/reused is defined as treated and/or untreated produced water used for re-injection for improved or enhanced oil recovery and for beneficial reuse

¹³: CA & CCA for U.S. oil and gas acreage

¹⁴: Dedicated protected area defined under USACE permit, IPIECA or IUCN definitions

¹⁵: Per API 754, for combined OXY+APC

¹⁶: U.S. full-time employees, excluding retirees and asset divestments

¹⁷: Global taxes paid reflect OXY + APC, full year 2019

¹⁸: 501(c)3 and 170(c) U.S. charitable and non-U.S. contributions recognized as charitable