

Greenhouse gas emissions and energy

Metric	Unit	2019	2020	2021	2022	2023	Metric	Unit	2019	2020	2021	2022	2023
GHG – Operational control ^{1m}							GHG – Equity share ^{1w}						
Scope 1 (direct) greenhouse gas emissions ⁿ	MtCO ₂ e	49.2	41.7	33.2	30.4	31.1	Scope 1 (direct) greenhouse gas emissions ⁿ	MtCO ₂ e	46.0	41.3	36.5	33.9	31.9
Exploration, production and LNG	MtCO ₂ e	–	–	15.5	13.8	15.2	Exploration, production and LNG ^x	MtCO ₂ e	–	–	17.7	15.9	14.8
Refining and chemicals	MtCO ₂ e	–	–	16.9	15.9	15.1	Refining and chemicals	MtCO ₂ e	–	–	17.5	16.3	15.7
Other	MtCO ₂ e	–	–	–	0.7	0.8	Other ^x	MtCO ₂ e	–	–	–	1.7	1.5
Scope 1 (direct) carbon dioxide emissions	MtCO ₂ e	46.8	39.8	32.0	29.7	30.2	Scope 1 (direct) carbon dioxide emissions	MtCO ₂ e	43.0	39.1	34.8	32.6	30.5
Exploration, production and LNG	MtCO ₂ e	–	–	14.4	13.1	14.3	Exploration, production and LNG ^x	MtCO ₂ e	–	–	16.0	14.6	13.5
Refining and chemicals	MtCO ₂ e	–	–	16.9	15.9	15.1	Refining and chemicals	MtCO ₂ e	–	–	17.5	16.2	15.6
Other	MtCO ₂ e	–	–	–	0.7	0.7	Other ^x	MtCO ₂ e	–	–	–	1.7	1.4
Scope 1 (direct) methane emissions	Mt	0.1	0.07	0.05	0.03	0.03	Scope 1 (direct) methane emissions	Mt	0.12	0.09	0.07	0.05	0.05
Exploration, production and LNG	Mt	–	–	0.04	0.03	0.03	Exploration, production and LNG	Mt	–	–	0.07	0.05	0.05
Refining and chemicals	Mt	–	–	0.00	0.00	0.00	Refining and chemicals	Mt	–	–	0.00	0.00	0.00
Other	Mt	–	–	–	0.00	0.00	Other	Mt	–	–	–	0.00	0.00
Sustainable GHG emissions reductions [★] (Scope 1 and 2) ^o	MtCO ₂ e	1.4	1.0	1.6	1.5	0.9	Scope 2 (indirect) emissions ^p	MtCO ₂ e	5.7	4.2	2.6	1.6	1.5
Scope 2 (indirect) emissions ^{p,q}	MtCO ₂ e	5.2	3.8	2.4	1.4	1.0	Exploration, production and LNG	MtCO ₂ e	–	–	0.2	0.2	0.1
Exploration, production and LNG ^q	MtCO ₂ e	–	–	0.0	0.1	0.1	Refining and chemicals	MtCO ₂ e	–	–	2.0	1.1	0.6
Refining and chemicals	MtCO ₂ e	–	–	2.2	1.2	0.6	Other	MtCO ₂ e	–	–	–	0.4	0.8
Other	MtCO ₂ e	–	–	–	0.2	0.4	Greenhouse gas intensity (Scope 1 and 2)						
Greenhouse gas intensity (Scope 1 and 2)							Exploration, production and LNG ^{x,y}	tCO ₂ e per thousand boe of production	–	–	22.4	19.9	17.6
Exploration, production and LNG ^r	tCO ₂ e per thousand boe of production	–	–	15.9	14.2	15.7	Refineries ^z	tCO ₂ e per utilized equivalent distillation capacity	–	–	1,067	1,022	1,000
Refineries ^s	tCO ₂ e per utilized equivalent distillation capacity	–	–	1,060	1,028	1,003	Petrochemicals	tCO ₂ e per thousand tonnes of production	–	–	688	653	741
Petrochemicals ^t	tCO ₂ e per thousand tonnes of production	–	–	688	653	741							
Methane intensity ^{★u}	%	0.14	0.12	0.07	0.05	0.05							
Flaring ^v	kt	1,395	831	967	654	861							

Social

Metric	Unit	2019	2020	2021	2022	2023
Community						
Economic value generated by bp	\$ million	283,300	188,000	167,100	246,700	215,183
payments to suppliers	\$ million	233,600	165,300	122,200	174,000	151,722
benefits to employees ^{fff}	\$ million	9,836	9,909	8,857	9,587	10,279
taxes to governments ^{ggg}	\$ million	6,913	3,337	5,378	12,453	11,934
social investment spend	\$ million	84	77	51	93	117
bp Foundation – bp matching ^{hhh}	\$ million	8.3	6.1	4.0	6.0	5.6
bp Foundation – natural disaster relief ^{hhh}	\$ million	0.4	2.3	0.4	0.4	2.7
Total dividends distributed to bp shareholders ⁱⁱⁱ	\$ million	8,329	6,340	4,304	4,358	4,809
Percentage of major operating sites in Indigenous land ⁱⁱⁱ	%	17	13	13	12	13
Community complaints ^{jjj kkk}						
damage to property/crops	%	27	7	3	3	9
discharges to water	%	0	0	0	1	0
flaring	%	4	1	12	10	4
impact on traditional indigenous, recreational or cultural activities	%	–	–	0	0	0
job opportunities	%	24	41	11	7	8
nuisance (odour, noise and dust)	%	19	42	59	51	56
security arrangements	%	10	1	0	0	1
social investment	%	10	2	3	7	6
other	%	6	6	11	22	16
bp people ^{kkk}						
Number of employees	#	70,100	63,600	65,900	67,600	87,800
percentage female	%	38	39	39	39	41
percentage male	%	62	61	61	61	59

Metric	Unit	2019	2020	2021	2022	2023
percentage female – graduate hires ⁱⁱⁱ	%	45	40	42	43	39
percentage male – graduate hires ⁱⁱⁱ	%	–	54	50	54	61
percentage female – experienced hires	%	39	37	39	35	36
percentage male – experienced hires	%	–	63	61	65	64
percentage female – leadership team	%	15	33	36	55	64
percentage male – leadership team	%	–	67	64	45	36
percentage female – group leaders ^{mmm}	%	25	29	32	33	34
percentage male – group leaders ^{mmm}	%	–	71	68	67	65
percentage female – senior leaders	%	26	27	29	30	30
percentage male – senior leaders	%	–	73	71	70	69
percentage female – board of directors	%	42	45	40	45	50
percentage male – board of directors	%	–	55	60	55	50
25 and under	#	–	–	7,700	8,300	10,900
26-30	#	–	–	7,500	7,200	9,600
31-35	#	–	–	9,300	9,500	12,100
36-40	#	–	–	10,500	10,400	13,100
41-45	#	–	–	9,600	9,900	12,800
46-50	#	–	–	8,500	8,600	10,800
51-55	#	–	–	6,700	7,000	9,000
56-60	#	–	–	4,100	4,400	6,000
61 and over	#	–	–	2,000	2,300	3,500
Number of employees – group leaders ^{mmm}	#	378	270	281	278	297
Number of employees						
Europe	#	33,000	31,900	31,500	31,900	32,900
US and Canada	#	13,600	10,600	12,800	13,800	32,600