

## Performance data

### Safety<sup>a</sup>

	2013	2014	2015	2016	2017
Fatalities – employees	4	0	0	0	<b>1</b>
Fatalities – contractors	2	3	1	3	<b>0</b>
Day away from work cases – workforce	130	145	108	94	<b>97</b>
Day away from work case frequency <sup>b</sup> (DAFWCF) – workforce	0.070	0.081	0.061	0.051	<b>0.055</b>
Recordable injuries – workforce	578	547	428	385	<b>384</b>
Recordable injury frequency <sup>b</sup> (RIF) – workforce	0.31	0.31	0.24	0.21	<b>0.22</b>
Tier 1 process safety events <sup>c</sup> (number)	20	28	20	16	<b>18</b>
Tier 2 process safety events <sup>c</sup> (number)	110	95	83	84	<b>61</b>
Loss of primary containment <sup>d</sup> (number)	256	214	202	200	<b>205</b>
Oil spills <sup>e</sup> – number (> one barrel)	185	156	146	149	<b>139</b>
Oil spills contained	111	93	91	91	<b>81</b>
Oil spills reaching land and water	74	63	55	58	<b>58</b>
Oil spills – volume (million litres)	0.7	0.4	0.4	0.7	<b>0.9</b>
Oil unrecovered (million litres)	0.3	0.2	0.1	0.3	<b>0.3</b>
Severe vehicle accident rate <sup>f</sup> (per million kilometres driven)	0.12	0.13	0.11	0.05	<b>0.03</b>
Total vehicle accident rate (per million kilometres driven)	1.20	1.18	1.08	1.04	<b>1.08</b>

### Greenhouse gas emissions

	2013	2014	2015	2016	2017
<b>Operational control<sup>g</sup></b>					
Direct greenhouse gas (GHG) (Mte CO <sub>2</sub> equivalent (CO <sub>2</sub> e))	–	54.1	51.2	51.4	<b>50.5</b>
Direct carbon dioxide (CO <sub>2</sub> ) (million tonnes (Mte))	–	51.6	48.5	48.4	<b>47.8</b>
Direct methane (Mte)	–	0.12	0.11	0.12	<b>0.11</b>
Methane intensity <sup>h</sup> (%)	–	–	–	0.2	<b>0.2</b>
Sustainable GHG emissions reductions <sup>i</sup> (Mte CO <sub>2</sub> e)	–	0.1	0.2	0.7	<b>0.5</b>
Indirect emissions <sup>j</sup> (MteCO <sub>2</sub> e)	–	7.5	7.0	6.2	<b>6.1</b>
Flaring <sup>k</sup> (upstream) (thousand tonnes of hydrocarbons)	2,028	2,188	1,863	1,896	<b>1,987</b>
<b>Equity<sup>l</sup></b>					
Direct greenhouse gas (GHG) (Mte CO <sub>2</sub> equivalent (CO <sub>2</sub> e))	50.3	48.7	49.0	50.1	<b>49.4</b>
Direct carbon dioxide (CO <sub>2</sub> ) (million tonnes (Mte))	47.0	45.5	45.1	46.1	<b>45.8</b>
Direct methane (Mte)	0.16	0.15	0.16	0.16	<b>0.15</b>
Sustainable GHG emissions reductions <sup>i</sup> (Mte CO <sub>2</sub> e)	0.2	0.1	0.1	0.3	<b>0.4</b>
Greenhouse gas intensity (TeCO <sub>2</sub> equivalent/unit)					
Upstream (per thousand barrels of oil equivalent)	30.1	32	32.7	34.7	<b>30.4</b>
Refining (per utilized equivalent distillation capacity)	995	978	944	951	<b>923</b>
Petrochemicals (per thousand tonnes)	283	291	290	287	<b>304</b>
Indirect emissions <sup>j</sup> (MteCO <sub>2</sub> e)	6.7	6.8	6.9	6.2	<b>6.8</b>
Customer emissions <sup>m</sup> (MteCO <sub>2</sub> )	422	406	402	395	<b>412</b>
Carbon dioxide avoided through our renewables business <sup>n</sup> (MteCO <sub>2</sub> e)	2.9	3.2	3.3	3.1	<b>2.9</b>

## Value to society

	2013	2014	2015	2016	2017
Benefits to employees – including wages, salaries, share-based payments, benefits and pensions (\$ million)	13,654	13,936	12,928	11,233	<b>10,204</b>
Taxes to governments – comprising income taxes and production taxes paid (\$ million)	13,904	7,980	3,516	2,174	<b>5,797</b>
Total dividends distributed to BP shareholders <sup>o</sup> (\$ million)	6,911	7,168	7,301	7,469	<b>7,867</b>
Contribution to communities (\$ million)	103.8	85.0	67.2	61.1	<b>89.5</b>

## Environment

	2013	2014	2015	2016	2017
Freshwater withdrawal (million m <sup>3</sup> )					
Group	289	280	285	257	<b>276</b>
Upstream	10.3	7.6	6.8	5.7	<b>6.4</b>
Downstream	271	263	264	239	<b>259</b>
Other businesses and corporate	7.9	9.9	13.5	12.2	<b>10</b>
Freshwater consumption (million m <sup>3</sup> )	106	93	92	87	<b>91</b>
Percentage of withdrawal	37	33	32	34	<b>33</b>
Water consumption – group intensity <sup>q</sup> (tonnes water/tonnes production)	–	0.37	0.38	0.36	<b>0.38</b>
Discharges to water – Upstream					
Mass of produced water managed per unit mass of production <sup>p</sup>	–	0.7	0.6	0.7	<b>0.7</b>
Discharges to water – Refining and chemicals					
Wastewater treatment measured as chemical oxygen demand (mg/l)	46	52	40	49	<b>41</b>
Air emissions – nitrogen oxides (thousand tonnes)	129	129	123	125	<b>122</b>
Air emissions – sulphur oxides (thousand tonnes)	41	39	36	36	<b>35</b>
Air emissions – non-methane hydrocarbons (thousand tonnes)	102	99	94	91	<b>87</b>
Environmental expenditure (\$ million)	4,288	4,024	8,017	536	<b>971</b>
Environmental and safety fines (\$ million)	2.5	1.0	0.6	15.0	<b>3.6</b>

<sup>a</sup> This represents reported incidents occurring within BP's operational HSSE reporting boundary. That boundary includes BP's own operated facilities and certain other locations or situations.

<sup>b</sup> DAFWCF and RIF are the annual frequency per 200,000 hours worked.

<sup>c</sup> We report tier 1 process safety events, which are losses of primary containment of greatest consequence – causing harm to a member of the workforce, costly damage to equipment or exceeding defined quantities. Tier 2 events are those of lesser consequence.

<sup>d</sup> Loss of primary containment is an unplanned or uncontrolled release of oil, gas or other hazardous materials from a tank, vessel, pipe, truck, rail car or other equipment used for storage, separation, processing or transfer. Historical and current data for the LOPC metric was restated in 2017 to exclude incidents where there is a safe release of gas to the atmosphere from our US Lower 48 operations, from a hung dump valve in a remote location.

<sup>e</sup> Oil spills are defined as any liquid hydrocarbon release of more than, or equal to, one barrel (159 litres, equivalent to 42 US gallons).

<sup>f</sup> The 2016 and 2017 figures are based on our new definition which aligns with industry practice.

<sup>g</sup> Comprises 100% of emissions from activities that are operated by BP. Data for emissions on an operational control basis was not reported in 2013.

<sup>h</sup> This includes the methane emissions from our operations where gas goes to market as a percentage of that gas – accounting for more than 90% of methane emissions from our operated oil and gas assets. We do not include methane emissions that result from gas that is only reinjected, recycled or associated with assets where BP does not produce the gas. Data was not reported prior to 2016.

<sup>i</sup> Previously referred to as real sustainable reductions. This measure reflects actions taken by our businesses that reduce their GHG emissions. See page 13.

<sup>j</sup> Indirect emissions are those associated with the purchase of electricity, heat, steam or cooling into our operations.

<sup>k</sup> We report the total hydrocarbons flared from our upstream operations.

<sup>l</sup> Comprises our share of BP's consolidated entities and equity accounted entities, other than BP's share of Rosneft.

<sup>m</sup> Based on BP's total reported production of natural gas, natural gas liquids and refinery throughputs.

<sup>n</sup> Based on BP's total ethanol production and wind generating capacity. The 2017 figure decreased primarily due to the divestment of two wind farms and lower wind power generation overall at our sites in the US.

<sup>o</sup> This includes dividends paid in cash and scrip dividends.

<sup>p</sup> Water consumption intensity data and mass of produced water were not reported in 2013.

## Our people and culture

	2013	2014	2015	2016	2017
Number of employees – group	83,900	84,500	79,800	74,500	<b>74,000</b>
Number of employees – group leadership	530	501	431	394	<b>394</b>
Women in group leadership (%)	18	18	19	22	<b>21</b>
Women at management level <sup>q</sup> (%)	27	27	28	29	<b>30</b>
People from racial minorities in UK and US group leadership <sup>r</sup> (%)	8	9	10	11	<b>11</b>
People from beyond the UK and US in group leadership <sup>s</sup> (%)	21	21	21	23	<b>24</b>
Employee engagement (%)	73	73	71	73	<b>73</b>
Employee turnover <sup>t</sup> (%)	15	12	16	16	<b>12</b>
OpenTalk cases <sup>u</sup>	1,121	1,114	1,158	956	<b>817</b>
Dismissals for non-compliance and unethical behaviour <sup>v</sup>	113	157	132	109	<b>70</b>

<sup>q</sup> Includes employees who are group leaders, senior level leaders or in other management positions.

<sup>r</sup> The 2013-16 figures have been restated as our calculation now divides the number of UK and US racial minorities by the total population of these nationalities, instead of the total number of group leaders.

<sup>s</sup> Figures for 2013-16 have been amended.

<sup>t</sup> These figures relate to non-retail employees only. In 2017 voluntary turnover (resignations and retirements) was 4%.

<sup>u</sup> Any employee, contractor or other third party can contact our confidential helpline, OpenTalk.

<sup>v</sup> Excludes dismissals of staff employed at our retail sites.

## Data tool



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