



SASB index 2020



published March 2021

Introduction

This Sustainability Accounting Standards Board (SASB) document aims to provide a consolidated overview of bp's reporting against the SASB **Oil & Gas – Exploration & Production** standard (version 2018-10).

Metrics and disclosures included in this index cover our activities during the period 1 January to 31 December for the years indicated.

As we transition from an International Oil Company to an Integrated Energy Company, we are reinventing our old business model. This upstream/downstream business model was in place up to 31 December 2020 and this is reflected in how we are reporting our ESG data for 2020. We transitioned to our new business model on 1 January 2021.


Performance data and disclosures included in this index are discussed further in the bp sustainability report 2020, the bp annual report and form 20-F 2020 and the bp energy outlook 2020. An associated basis of reporting document is available at bp.com/basisofreporting. This outlines the approach and scope, used for data collection and verification of certain sustainability performance data, as published in the bp sustainability report 2020, bp annual report 2020, ESG datasheet and online at bp.com/sustainability.

Contents

Greenhouse gas emissions	3
Air quality	4
Water management	4
Biodiversity impacts	5
Security, human rights & rights of indigenous peoples	6
Community relations	7
Workforce health & safety	8
Reserves valuation & capital expenditures	9
Business ethics & transparency	10
Management of the legal and regulatory environment	10
Critical incident risk management	11
Activity metrics	11

Reports

 [Annual report and form 20-F 2020](#)

 [Sustainability report 2020](#)

 [Energy Outlook 2020](#)

 [ESG datasheet 2020](#)

 [Basis of reporting 2020](#)

Greenhouse gas emissions

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Gross global Scope 1 emissions, percentage methane, percentage covered under emissions-limiting regulations	Quantitative	Metric tons CO ₂ -e(t) Percentage (%)	EM-EP110a.1	Operational control^a Scope 1 (direct) greenhouse gas emissions (MteCO ₂ e) ^b	49.2	41.7	We report GHG emissions on the basis of carbon dioxide and methane. Other GHGs are not included as they are not material to our operations.
				Scope 1 (direct) carbon dioxide emissions (MteCO ₂ e)	46.8	39.8	We do not report the percentage of emissions that are covered under an emissions-limiting regulation.
				Scope 1 (direct) methane emissions (Mte)	0.10	0.07	Read more: bp.com/ESGdata – page 6 bp.com/basisofreporting
				Equity^c Scope 1 (direct) greenhouse gas emissions (MteCO ₂ e) ^b	46.0	41.3	
				Scope 1 (direct) carbon dioxide emissions (MteCO ₂ e)	43.0	39.1	
				Scope 1 (direct) methane emissions (Mte)	0.12	0.09	
Amount of gross global Scope 1 emissions from: (1) flared hydrocarbons, (2) other combustion, (3) process emissions, (4) other vented emissions, and (5) fugitive emissions	Quantitative	Metric tons CO ₂ -e(t)	EM-EP-110a.2	Operational control^a Flaring (kt) ^d	1,395	831	We report the total hydrocarbons flared from our upstream operations. We do not collect the breakdown of emissions by source centrally.
Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	Discussion and analysis	N/A	EM-EP-110a.3	Our aim 1 is to be net zero across our entire operations on an absolute basis by 2050 or sooner. This aim relates to Scope 1 and 2 GHG emissions (around 55MteCO ₂ e in 2019). We're targeting a 20% reduction in our aim 1 operational emissions by 2025 and will aim for 30-35% reduction by 2030 against our 2019 baseline. We made progress against our operational emissions reduction targets in 2020. Our combined Scope 1 and Scope 2 emissions, covered by aim 1, decreased by 16% from 54.4MteCO ₂ e in 2019 to 45.5MteCO ₂ e in 2020. Scope 1 (direct) emissions, covered by aim 1, decreased by 15% to 41.7MteCO ₂ e in 2020, from 49.2MteCO ₂ e in 2019. Of those Scope 1 emissions 39.8MteCO ₂ e were from CO ₂ and 1.9 MteCO ₂ e from methane. Emissions decreased due to the divestment of our Alaska business, delivery of sustainable emissions reductions (SERs) ^e and decreases in flaring. Read more: Sustainability report 2020 – page 34			

a Operational control data comprises 100% of emissions from activities operated by bp, going beyond the IPIECA guidelines by including emissions from certain other activities such as contracted drilling activities.

b We provide data on GHG emissions material to our businesses on a carbon dioxide-equivalent basis. This includes CO₂ and methane for Scope 1 emissions.

c bp equity share data comprises 100% of emissions from subsidiaries and the percentage of emissions equivalent to our share of joint arrangements and associates, other than bp's share of Rosneft.

d We report the total hydrocarbons flared from our upstream operations.

e SERs result from actions or interventions that have led to ongoing reductions in Scope 1 (direct) and/or Scope 2 (indirect) greenhouse gas (GHG) emissions (carbon dioxide and methane) such that GHG emissions would have been higher in the reporting year if the intervention had not taken place. SERs must meet three criteria: a specific intervention that has reduced GHG emissions, the reduction must be quantifiable, and the reduction is expected to be ongoing. Reductions are reportable for a 12-month period from the start of the intervention/action.

Air quality

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Air emissions of the following pollutants: (1) NOx (excluding N ₂ O), (2) SOx, (3) volatile organic compounds (VOCs), and (4) particulate matter (PM10)	Quantitative	Metric tons (t)	EM-EP-120a.1	Total emissions to air (kte)	296	229	We monitor our air emissions and put measures in place to reduce the potential impact of our operational activities on local communities and the environment. We report air emissions split by upstream, downstream and other. We do not exclude N ₂ O emissions from the reported NOx (nitrogen oxides) emissions. We do not report particulate matter (PM10) data.
				Air emissions – nitrogen oxides (kte)	110	79	
				Air emissions – sulphur oxides (kte)	23	19	
				Air emissions – non-methane hydrocarbons (kte)	67	56	

Water management

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
(1) Total fresh water withdrawn, (2) total fresh water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	Quantitative	Thousand cubic meters (m ³)	EM-EP-140a.1	Total freshwater withdrawal, (million m ³)	281.0	275.6	We report water metrics split by upstream, downstream, refining and petrochemicals. Read more: bp.com/ESGdata – page 10
		Percentage (%)		Total freshwater withdrawal in regions with high or extremely high baseline water stress (%)	4	4	
				Freshwater consumption (million m ³)	90.8	75.4	
				Freshwater consumption in regions with high or extremely high baseline water stress (%)	5	8	
Volume of produced water and flowback generated; percentage (1) discharged, (2) injected, (3) recycled; hydrocarbon content in discharged water	Quantitative	Thousand cubic meters (m ³)	EM-EP-140a.2	Produced water generated (million tonnes)	112	85	A proportion of the mass of produced water generated quoted will include flowback water. We do not report volume of produced water recycled.
		Percentage (%)		Produced water discharged (million tonnes)	19	22	
		Metric tons (t)		Produced water injected (million tonnes)	93	63	
				Hydrocarbon concentration in discharged water (mg/l)	20.0	19.9	
Percentage of hydraulically fractured wells for which there is public disclosure of all fracturing fluid chemicals used	Quantitative	Percentage (%)	EM-EP-140a.3	Not reported	–	–	We do not report this metric.
Percentage of hydraulic fracturing sites where ground or surface water quality deteriorated compared to a baseline	Quantitative	Percentage (%)	EM-EP-140a.4	Not reported	–	–	We do not report this metric.

Biodiversity impacts

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Description of environmental management policies and practices for active sites	Discussion and analysis	N/A	EM-EP-160a.1	N/A			<p>In June 2020 we set out our new biodiversity position, which includes: commitments not to operate any new oil and gas exploration or production activities inside the boundary of certain sites; from 2022 onwards, the development of net positive impact action plans for new bp operated projects that have potential for significant direct impacts on biodiversity; measures from 2022 that require bp major operating sites to have plans established to enhance local biodiversity; and an aim to further the conservation and restoration of biodiversity in countries where we have existing and growing investments.</p> <p>See bp.com/biodiversity for bp's biodiversity position.</p> <p>Read more: Sustainability report 2020 – page 71</p>
Number and aggregate volume of hydrocarbon spills, volume in Arctic, volume impacting shorelines with ESI rankings 8-10, and volume recovered	Quantitative	Number Barrels (bbls)	EM-EP-160a.2	Number of spills (>one barrel) ^f	152	121	<p>We do not currently operate any assets in the area north of the Arctic Circle. We completed the sale of our Alaska business in June 2020 and during the first half of 2020 no spills were reported for Alaska.</p> <p>We do not report spills to water that reached the soil, or spills directly to the soil, of shorelines with Environmentally Sensitive Index (ESI) levels 8-10.</p>
				Oil spills – volume (thousand litres)			
				• spilled	710	784	
				• unrecovered	300	494	
Percentage of (1) proved and (2) probable reserves in or near sites with protected conservation status or endangered species habitat	Quantitative	Percentage (%)	EM-EP-160a.3	Not reported	–	–	<p>We report the number of major operating sites which are inside or close (within 20 km) to international protected areas</p> <p>Read more: bp.com/protectedareas</p>

^f Any loss of primary containment of one barrel or more of liquid hydrocarbon (1 barrel = 159 litres = 42 gallons).

Security, human rights and rights of indigenous peoples

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Percentage of (1) proved and (2) probable reserves in or near areas of conflict	Quantitative	Percentage (%)	EM-EP-210a.1	Not reported	–	–	We do not report this metric.
Percentage of (1) proved and (2) probable reserves in or near indigenous land	Quantitative	Percentage (%)	EM-EP-210a.2	Not reported	–	–	We do not report this metric.
Discussion of engagement processes and due diligence practices with respect to human rights, indigenous rights, and operation in areas of conflict	Discussion and analysis	N/A	EM-EP-210a.3	N/A			<p>In 2020 we updated our human rights policy expanding what we say on due diligence practices with respect to human rights, indigenous rights, and operation in areas of conflict. In addition our aim 12 is to support a just energy transition that advances human rights and education and includes objectives relevant to due diligence with respect to human rights, respect for rights of communities where we work including Indigenous Peoples (IPs), and responsible security.</p> <p>On respecting IPs' rights paragraph 2.3 of our human rights policy states our commitment to respecting the rights of IPs and paragraph 3.4.3 summarises our approach, which includes identifying and consulting with IPs, and seeking to apply the principles of free, prior and informed consent (FPIC) where practical. Our internal standards applicable to projects and operations reflect what we say in the policy, to drive the systematic and consistent implementation and monitoring of bp's commitments to respect IP rights. Three of bp's major production sites are located in Indonesia, Australia and in the US where Indigenous Peoples are present.</p> <p>In relation to responsible security paragraph 2.9 of our human rights policy states our endorsement of and commitment to implement the Voluntary Principles on Security and Human Rights and paragraph 3.8.2 summarises our approach. We work with our security providers to reinforce the importance of respecting human rights. The Voluntary Principles on Security and Human Rights guide the way we work with security forces. We provide training on the Principles for those responsible for security and carry out assessments to highlight ways we can help security providers improve their performance. All our contracts for provision of security services include requirements to act consistently with the bp code of conduct. In harnessing planned updates to security risk assessment systems, we intend to consistently incorporate conflict analysis into our security and human rights risk assessments.</p> <p>Our approach to due diligence on human rights is also described in our human rights policy. For further information on our due diligence practices see our sustainability report and slavery and human trafficking statement.</p> <p>Read more: bp.com/humanrights Sustainability report 2020 – page 52</p>

Community relations

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Discussion of process to manage risks and opportunities associated with community rights and interests	Discussion and analysis	N/A	EM-EP-210b.1	N/A			<p>Our aim 12 is to support a just energy transition that advances human rights and education and includes objectives related to assessing the quality of community relationships and monitoring and remedy in consultation with affected peoples.</p> <p>We will support a just energy transition by developing just transition plans in priority areas and helping the workforce to develop skills for the future energy system, taking a socially inclusive approach. We aim to build stronger relationships with local communities, based on mutual trust and respect, and will support civic dialogue, greater transparency and capacity building, where we work.</p> <p>Read more: Sustainability report 2020 – page 52</p>
Number and duration of non-technical delays	Quantitative	Number Days	EM-EP-210b.2	Not reported	–	–	We do not report this metric.

Workforce health and safety

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
(1) Total recordable incident rate (TRIR), (2) fatality rate, (3) near miss frequency rate (NMFR), and (4) average hours of health, safety, and emergency response training for (a) full-time employees, (b) contract employees, and (c) short-service employees	Quantitative	Rate	EM-EP-320a.1	Recordable injury frequency (RIF)– workforce, (recordable injuries per 200,000 hours worked) ^g	0.166	0.132	RIF includes employees and contractors. We report fatalities for employees and contractors. We do not report fatality rate. We do not report NMFR. We do not report average hours of health, safety, and emergency response training for full-time employees, contract employees or short-service employees. Read more: Sustainability report 2020 – page 16
		Hours (h)		Fatalities – workforce (#)	2	1	
Discussion of management systems used to integrate a culture of safety throughout the exploration and production lifecycle	Discussion and analysis	N/A	EM-EP-320a.2	N/A	<p>Safety is our core value and at the heart of performance across bp. It is underpinned by our Operating Management System (OMS). OMS is how we work; the systematic framework designed to sustainably deliver safe, reliable and compliant operations.</p> <p>We have done several years’ work in OMS areas, including risk management, investigation and competency. The risk management processes in place across the group are continuously updated to improve their effectiveness. The regions and various operating sites collaborate with each other to share examples of good and proven practice, while a central team works to make sure that any systemic gaps are closed rapidly.</p> <p>When incidents or near misses do occur, we choose the most appropriate investigation methodology, depending on an incident’s severity and complexity. The most robust methodology we use, for investigating the most serious and complex incidents, is the bp Root Cause Analysis (RCA) ‘logic tree’. The approach to how we investigate in bp, and its training and certification process has been externally recognised and accredited by the UK’s National Examination Board in Occupational Safety and Health (NEBOSH) as an industry leading model.</p>		

^g RIF – Recordable injury frequency: the number of reported work-related incidents that result in a fatality or injury per 200,000 hours worked

Reserves valuation and capital expenditures

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Sensitivity of hydrocarbon reserve levels to future price projection scenarios that account for a price on carbon emissions	Quantitative	Million barrels (MMbbls) Million standard cubic feet (MMscf)	EM-EP-140a.1	Not reported	–	–	We do not report this metric.
Estimated carbon dioxide emissions embedded in proved hydrocarbon reserves	Quantitative	Metric tons(t) CO ₂ -e	EM-EP-140a.2	Not reported	–	–	We do not report this metric.
Amount invested in renewable energy, revenue generated by renewable energy sales	Quantitative	Reporting currency	EM-EP-140a.3	Not reported	–	–	We do not report this metric.
Discussion of how price and demand for hydrocarbons and/or climate regulation influence the capital expenditure strategy for exploration, acquisition, and development of assets	Discussion and analysis	N/A	EM-EP-140a.4	N/A			<p>The changes to bp's purpose and strategy this year and bp's journey towards becoming an Integrated Energy Company have given rise to the need for greater visibility on the decision making criteria for capital expenditure and new business transactions. Accordingly, the board spends time examining and discussing the impact of portfolio changes such as strategic acquisitions and the allocation of capital, along with the annual plan, in order to gain a clear understanding of the methodology of capital allocation.</p> <p>The board assesses the impact of portfolio changes, such as strategic acquisitions and the allocation of capital. The board reviews capital investments that are more than \$3 billion for resilient hydrocarbons, more than \$1 billion for all transition or low carbon investments and, in addition, any significant inorganic acquisition that is exceptional or unique in nature.</p>

Business ethics & transparency

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Percentage of (1) proved and (2) probable reserves in countries that have the 20 lowest rankings in Transparency International's Corruption Perception Index	Quantitative	Percentage (%)	EM-EP-510a.1	Not reported	–	–	We do not report this metric.
Description of the management system for prevention of corruption and bribery throughout the value chain	Discussion and analysis	N/A	EM-EP-510a.2	N/A			<p>We operate in parts of the world where bribery and corruption present a high risk, so it's important that we make clear to our employees, contractors, suppliers and others in any way connected to our business that our commitment to ethical and compliant operations is unwavering.</p> <p>Our code of conduct explicitly prohibits engaging in bribery or corruption in any form. Our groupwide anti-bribery and corruption policy and procedures include measures and guidance to assess risks, understand relevant laws and report concerns. They apply to all bp-operated businesses.</p> <p>Read more: bp.com/codeofconduct</p>

Management of the legal and regulatory environment

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	Discussion and analysis	N/A	EM-EP-530a.1	N/A			<p>Our aim 6 is to more actively advocate for policies that support net zero, including carbon pricing. We believe that ambitious climate policies will be essential to enable the world to meet the Paris climate goals, including achieving global net zero greenhouse gas (GHG) emissions.</p> <p>We co-operate and engage with governments, regulators and legislators in the development of proposed policies relevant to our business – ranging from those in support of net zero, through to policy related to tax, employment, safety and other issues. Our activities may include direct lobbying on specific policy proposals by bp employees, through broader advocacy via research work or supporting think tanks, to communications activities and advertising.</p> <p>Read more: Sustainability report 2020 – page 44</p>

Critical incident risk management

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Process Safety Event (PSE) rates for Loss of Primary Containment (LOPC) of greater consequence (Tier1)	Quantitative	Rate	EM-EP-540a.1	Loss of primary containment (#) ^h	26	17	
				Hours worked workforce (million hours)	329	264	
Description of management systems used to identify and mitigate catastrophic and tail-end risks	Discussion and analysis	N/A	EM-EP-540a.2	Not reported	We do not report this metric.		

Activity metrics

SASB accounting metric	SASB category	SASB unit of measure	SASB Code	bp disclosure	2019	2020	More information
Production of: (1) oil, (2) natural gas, (3) synthetic oil, and (4) synthetic gas	Quantitative	Thousand barrels per day (Mbb)/day Million standard cubic feet per day (MMscf/day)	EM-EP-000.A	Not reported	–	–	Crude oil and natural gas production for subsidiaries and equity-accounted entities is disclosed in the 2020 annual report. Read more: Annual report and form 20-F 2020 – page 315
Number of offshore sites	Quantitative	Number	EM-EP-000.B	Not reported	–	–	This data is not available.
Number of terrestrial sites	Quantitative	Number	EM-EP-540a.1	Not reported	–	–	This data is not available.

^h Loss of primary containment records any unplanned or uncontrolled release of material (excluding small or non-hazardous releases such as water) from a tank, vessel, pipe, rail car or equipment used for containment.

