



Total – SASB Reporting 2019-2020 (Oil & Gas Exploration & Production standard)

Key:

URD = 2019 Universal Registration Document

CR = 2020 Climate Report

CDP CC = Total’s 2020 response to the CDP Climate Change questionnaire

CDP WS = Total’s 2020 response to the CDP Water Security questionnaire

SASB code	Metrics	Reported (2019-20)	Total’s disclosures	Comments
Greenhouse Gas Emissions				
EM-EP-110a.1	Gross global Scope 1 emissions	Yes	Operational control: 41 Mt CO₂-eq in 2019 URD p. 232 Equity interest share: 55 Mt CO₂-eq in 2019 URD p. 232 CR p. 56	SASB states that GHG emissions data should be consolidated according to a “financial control” approach. Total uses the Global Warming Factors of the Fourth Assessment Report of the Intergovernmental Panel on Climate Change for its emissions calculations.
	Scope 1, percentage of methane	Yes	1.7 Mt CO₂-eq in 2019, i.e. 4.2% CDP p. 56 CR p. 56	Information provided by Total on its operated scope.
	Scope 1, percentage covered under emissions-limiting regulations	Yes	24 Mt CO₂-eq in 2019, i.e. 60% CDP CC p. 78	Information provided by Total on its operated scope.
EM-EP-110a.2	Amount of gross global Scope 1 emissions from flared hydrocarbons.	Yes	6.24 Mt CO₂-eq in 2019 CDP CC p. 57	Information provided by Total on its operated scope.
	Amount of gross global Scope 1 emissions from other combustion.	Yes	26.45 Mt CO₂-eq in 2019 CDP CC p. 56	Information provided by Total on its operated scope.

SASB code	Metrics	Reported (2019-20)	Total's disclosures	Comments
	Amount of gross global Scope 1 emissions from process emissions.	Yes	7 Mt CO₂-eq in 2019 CDP CC p. 57	Information provided by Total on its operated scope.
	Amount of gross global Scope 1 emissions from other vented emissions.	Yes	0.71 Mt CO₂-eq in 2019 CDP CC p. 57	Information provided by Total on its operated scope.
	Amount of gross global Scope 1 emissions from fugitive emissions.	Yes	0.28 Mt CO₂-eq in 2019 CDP CC p. 57	Information provided by Total on its operated scope.
EM-EP-110a.3	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	Yes	URD p. 227-234 CR	
Air Quality				
	Air emissions of the following pollutants: NOx (excluding N ₂ O).	Yes	72 kt in 2019 URD p. 223	Information provided by Total on its operated scope.
	Air emissions of the following pollutants: SOx.	Yes	39 kt in 2019 URD p. 223	Information provided by Total on its operated scope.
	Air emissions of the following pollutants: volatile organic compounds (VOCs).	Yes	82.7 kt in 2019	Information provided by Total on its operated scope.
	Air emissions of the following pollutants: particulate matter (PM10).	No	Not aggregated at Group level. Reported locally if required by regulation.	
Water Management				
	Total fresh water withdrawn.	Yes	115,000 megaliters in 2019 URD p. 224 CDP WS p. 9	Information provided by Total on its operated scope.
	Percentage of fresh water withdrawn in regions with High or Extremely High Baseline Water Stress.	Yes	51 %	Information provided by Total on its operated scope.
	Total fresh water consumed.	Yes	36,604 megaliters in 2019 CDP WS p. 10	Information provided by Total on its operated scope.
	Percentage of fresh water consumed in regions with High or Extremely High Baseline Water Stress.	Yes	47 %	Information provided by Total on its operated scope.

SASB code	Metrics	Reported (2019-20)	Total's disclosures	Comments
EM-EP-140a.2	Volume of produced water and flowback generated	Yes	118,746 megaliters in 2019 CDP WS p. 14	Information provided by Total on its operated scope.
	Percentage discharged	Yes	50 %	Information provided by Total on its operated scope.
	Percentage injected	Yes	50 %	Information provided by Total on its operated scope.
	Percentage recycled	Yes	0 %	Information provided by Total on its operated scope.
	Hydrocarbon content in discharged water	Partially	Offshore water: 13 mg/l in 2019 Onshore water: 1.7 mg/l in 2019 URD p. 224	Information provided by Total on its operated scope.
EM-EP-140a.3	Percentage of hydraulically fractured wells for which there is public disclosure of all fracturing fluid chemicals used	Yes	100 %	Information provided by Total on its operated scope.
EM-EP-140a.4	Percentage of hydraulic fracturing sites where ground or surface water quality deteriorated compared to a baseline	Yes	0 %	Information provided by Total on its operated scope.
Biodiversity Impacts				
EM-EP-160a.1	Description of environmental management policies and practices for active sites	Yes	URD p. 221-227	
EM-EP-160a.2	Number of hydrocarbon spills	Yes	57 in 2019 URD p. 223	Information provided by Total on its operated scope.
	Volume of hydrocarbon spills	Yes	1,200 m ³ in 2019 URD p. 223	Information provided by Total on its operated scope.
	Spills: volume in Arctic	Yes	0 m ³ in 2019	Information provided by Total on its operated scope.
	Volume impacting shorelines with ESI rankings 8-10	Yes	0 m ³ in 2019	Information provided by Total on its operated scope.
	Volume recovered	Partially	URD p. 223	
EM-EP-160a.3	Percentage of (1) proved and (2) probable reserves in or near sites with protected conservation status or endangered species habitat	Yes	2.9 % in 2019	Information provided by Total for its proved reserves, on its operated scope, Group share.

SASB code	Metrics	Reported (2019-20)	Total's disclosures	Comments
Security, Human Rights & Rights of Indigenous Peoples				
EM-EP-210a.1	Percentage of (1) proved and (2) probable reserves in or near areas of conflict	Yes	9.8 % in 2019	Information provided by Total for its proved reserves, Group share.
EM-EP-210a.2	Percentage of (1) proved and (2) probable reserves in or near indigenous land	Yes	1.4 % in 2019	Information provided by Total for its proved reserves, on its operated scope, Group share.
EM-EP-210a.3	Discussion of engagement processes and due diligence practices with respect to human rights, indigenous rights, and operation in areas of conflict	Yes	URD p. 235-238 and 241-247 Total's 2018 Human Rights Briefing Paper	
Community Relations				
EM-EP-210b.1	Discussion of process to manage risks and opportunities associated with community rights and interests	Yes	URD p. 102-127 and 235-238	
EM-EP-210b.2	Number and duration of non-technical delays	No	Not aggregated at Group level.	
Workforce Health & Safety				
EM-EP-320a.1	Total recordable incident rate (TRIR)	Yes	0.81 in 2019 URD p. 218	Total's TRIR records injuries per million working hours – employees and contractors (illness excluded).
	Fatality rate	Partially	URD p. 218	Total publishes the number of occupational fatalities but not the fatality rate.
	Near miss frequency rate (NMFR)	No	Not disclosed.	
	Average hours of health, safety, and emergency response training for full-time employees	Yes	URD p. 210	
	Average hours of health, safety, and emergency response training for contract employees	No	Not available. We don't define training needs by individual contract status and categories of employees.	
	Average hours of health, safety, and emergency response training for short-service employees	No	Not available. We don't define training needs by individual contract status and categories of employees.	
EM-EP-320a.2	Discussion of management systems used to integrate a culture of safety throughout the exploration and production lifecycle	Yes	URD p. 216-219	

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Reserves Valuation & Capital Expenditures				
EM-EP-420a.1	Sensitivity of hydrocarbon reserve levels to future price projection scenarios that account for a price on carbon emissions	Yes	URD p. 84-85 and 231	
EM-EP-420a.2	Estimated carbon dioxide emissions embedded in proved hydrocarbon reserves	Yes	4 Gt CO₂-e URD p. 5	Proved hydrocarbon reserves: 12,681 Mboe in 2019.
EM-EP-420a.3	Amount invested in renewable energy, revenue generated by renewable energy sales	Yes	Investments in renewables and electricity: between 1.5 and 2 billion USD/year until 2019. Above 2 billion USD/year from 2020 onwards and growing progressively to more than 3 billion USD/year in 2030. Total at a glance 2020, p. 5-6 Total – Strategy & Outlook presentation – September 2020	
EM-EP-420a.4	Discussion of how price and demand for hydrocarbons and/or climate regulation influence the capital expenditure strategy for exploration, acquisition, and development of assets	Yes	Total – Strategy & Outlook presentation – September 2020 Total Energy Outlook – September 2020 CDP CC p. 29-36	
Business Ethics & Transparency				
EM-EP-510a.1	Percentage of (1) proved and (2) probable reserves in countries that have the 20 lowest rankings in Transparency International's Corruption Perception Index	Yes	8.5 % in 2019	Information provided by Total for its proved reserves, Group share.
EM-EP-510a.2	Description of the management system for prevention of corruption and bribery throughout the value chain	Yes	URD p. 235-238 Total's Code of Conduct Total's Fundamental Purchasing Principles	
Management of the Legal & Regulatory Environment				
EM-EP-530a.1	Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	Partially	CR	Primarily Climate-related issues.

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Critical Incident Risk Management				
EM-EP-540a.1	Process Safety Event (PSE) rates for Loss of Primary Containment (LOPC) of greater consequence (Tier 1)	Partially	URD p. 217	Total discloses the number of loss of primary containment (Tier 1) but not the rate.
EM-EP-540a.2	Description of management systems used to identify and mitigate catastrophic and tail-end risks	Yes	URD p. 93-99 and 216-223	
Activity Metrics				
EM-EP-000.A	Production of oil	Yes	1,431 Kboe/d in 2019 URD p. 4	Including Bitumen.
	Production of natural gas	Yes	1,583 Kboe/d in 2019 URD p. 4	Including Condensates and associated NGL.
	Production of synthetic oil	Yes	0 boe/d	Total doesn't produce any synthetic oil.
	Production of synthetic gas	Yes	0 boe/d	Total doesn't produce any synthetic gas.
EM-EP-000.B	Number of offshore sites	Yes	70 in 2019 URD p. 41-55 Total's 2019 Factbook	Information provided by Total based on the perimeter of assets with entitled production in 2019.
EM-EP-000.C	Number of terrestrial sites	Yes	41 in 2019 URD p. 41-55 Total's 2019 Factbook	Information provided by Total based on the perimeter of assets with entitled production in 2019.