CDP Climate Change 2022 Questionnaire
CDP Climate Change Questionnaire Preview and Reporting Guidance 2022 - Version Control

<table>
<thead>
<tr>
<th>Version number</th>
<th>Release / Revision date</th>
<th>Revision summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Released: January 10, 2022</td>
<td>Publication of the 2022 questionnaire preview and reporting guidance.</td>
</tr>
<tr>
<td>1.1</td>
<td>Revised: January 28, 2022</td>
<td>C-FS0.7 table restructured to facilitate data collection. The data requested is unchanged.</td>
</tr>
</tbody>
</table>
| 1.2            | Revised: February 18, 2022 | - C3.2a: amendment to the requested content, clarifying that organizations should consider using a 1.5°C transition scenario, and a physical scenario of 2.7°C or more.  
- C4.3b, C8.2c, C-EU8.2d, C8.2e, C8.2h, C8.2i and C-EU9.5a: amendment to the requested content, whereby disclosure providers are asked to provide a justification for why they consider the biomass to be sustainable.  
- C7.3b: amendment to the requested content, clarifying how to report emissions for non-stationary sources.  
- C12.1a, C12.1b and C-FS12.1b: update to the requested content for column "Impact of engagement, including measures of success". Disclosers are asked to provide the threshold at which they consider their impact to be successful. |
| 1.3            | Revised: March 4, 2022 | C8.2c, C-CIEB 2c, C-EU8.2d, C8.2e, C8.2i and C-EU9.5a: response options updated. "Unsustainable biomass" has been revised to "Other biomass" and minor edits have been made to the guidance for those questions. |

Note that you have selected to view the Climate Change - Full version.

You have selected to view sector-specific content for the following sectors:
- General
CDP disclosure cycle 2022

Accessing questionnaire previews, reporting guidance, and scoring methodologies
CDP's corporate questionnaire previews, reporting guidance, and scoring methodologies for climate change, forests and water security can be accessed from the guidance for companies page of CDP's website.

Submitting a response to the questionnaire(s)
Responses to questionnaires must be submitted via CDP's Online Response System (ORS), which is part of CDP's online disclosure platform. Please refer to Using CDP's Online Disclosure Platform for more details. Please note that while the questions themselves are the same in the questionnaire preview as they are in the ORS, the display format of some questions may differ, particularly for drop-down options and tables.

Sector-specific questions
Companies in high-impact sectors, in addition to the general questions, will be presented with questions specific to that sector. The rationale for developing a refined questionnaire for each of these sectors is outlined in the relevant sector introduction.

The sector-specific questions allocated to companies are defined by CDP's Activity Classification System (CDP-ACS). This system categorizes companies by focusing on the activities from which they derive revenue and associating these with the impacts to their business from climate change, water security and deforestation.

Please note that since each questionnaire includes sector-specific questions throughout, as not all questions will be applicable to your organization, some question numbers may skip.

Full and Minimum versions of the questionnaire
All organizations completing the climate change, forests and water security questionnaires are eligible to complete the full questionnaire.

In some cases, organizations may be eligible to complete a minimum version which contains fewer questions, and no sector-specific questions or data points. Organizations are eligible to complete the minimum version in the following circumstances:

- They are disclosing to that questionnaire for the first time; OR
- They are not disclosing to that questionnaire for the first time, but have an annual revenue of less than EUR/US $250 million*

Organizations opting to complete a minimum version will only be eligible for scoring if they are submitting a response to customers (CDP Supply chain members). For more information on scoring eligibility and implications, please see our Scoring Introduction.

* CDP reserves the right to remove the option of completing a minimum version questionnaire for previous responders to a questionnaire with an annual revenue of less than EUR/US$250 million, on the basis of the organization's potential or existing environmental impact.

Timeline:
For the latest information on the timeline, please refer to our website.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 2022</td>
<td>Preview of 2022 questionnaires and reporting guidance released on CDP website (English versions).</td>
</tr>
<tr>
<td>March 2022</td>
<td>Preview of 2022 questionnaires and reporting guidance released on CDP website (translated versions).</td>
</tr>
<tr>
<td>April 2022</td>
<td>Online Response System (ORS) opens.</td>
</tr>
<tr>
<td>July 2022</td>
<td>Companies must submit their responses to investors and/or customers using the ORS to be eligible for scoring and inclusion in reports (where applicable).</td>
</tr>
</tbody>
</table>

For any disclosure-related enquiries, please contact your regional CDP contact.
CDP climate change questionnaire

Introduction to CDP’s climate change program and questionnaire

Improving corporate awareness through measurement and disclosure is essential to the effective management of climate change risk. CDP’s climate change questionnaire collects climate-related data from the world’s largest companies on behalf of over 590 institutional investor signatories with a combined USD110 trillion in assets and 200+ major purchasers with over USD5.5 trillion in procurement spend. Since its launch in 2002, the questionnaire has helped thousands of companies to measure their impacts, set ambitious targets and demonstrate progress for key stakeholders.

The questionnaire has been evolving over time in line with the latest climate science and global policy development. The 2015 Paris Agreement was a tipping point in the global approach to climate change. By agreeing to limit global temperature rises to well below 2°C and pursue efforts to limit warming to under 1.5°C, governments have committed to a transition to a net-zero carbon economy. This transition will create winners and losers within and across business sectors, as the manifestation of climate-related opportunities and risks accelerates in both size and scope. Business as usual will not be a good indicator of how companies will perform.

Regulators have begun to respond to the climate risks, notably with the recommendations by the Task Force on Climate-related Financial Disclosures (TCFD). Established by the Financial Stability Board, the TCFD has moved the climate disclosure agenda forward by emphasizing the link between climate-related risk and financial stability. The Task Force has recommended that both companies and investors disclose climate change information. This includes whether they are conducting scenario analysis in line with a 1.5°C pathway and then setting out how climate-related issues impact their strategy and financial planning. This amplifies the longstanding call from CDP’s investor signatories for companies to disclose comprehensive, comparable environmental data in their mainstream reports, driving climate-related risk management further into the boardroom. CDP’s climate change questionnaire has been aligned with the TCFD recommendations since 2018 and prompts companies to disclose data on how climate-related issues are addressed in their governance, strategy, risk management, and metrics and targets.

In its first two decades, CDP’s climate change questionnaire focused on raising ambition around climate and providing data to improve governance and decision-making. But time is fast running out to prevent catastrophic climate change, and an irreversible loss of nature and habitats. There is now an urgent need to ensure that stated intentions are accompanied by concrete plans, with transition metrics, and evidence of progress against agreed goals. Accountability is needed to raise the bar to align with halving emissions, shifting towards nature positivity by 2030 and achieving net-zero emissions and full nature recovery by 2050. In line with CDP’s 2021-2025 strategy, the climate change questionnaire and scoring will be evolving to further encourage and support companies to set targets and create tangible transition plans, as well as to measure their performance against them.

Carbon emissions are only one part of the challenge. The climate and nature crises need to be addressed simultaneously, including by conserving, protecting, and restoring ecosystems, adopting more sustainable agriculture and forestry practices, and ensuring a circular economy. In line with the 2021-2025 strategy, CDP begins broadening the environmental issues covered in its questionnaires, starting with the inclusion of questions on companies’ approach to maintaining and addressing biodiversity. As a first step in 2022, broad questions around governance, commitments, monitoring and reporting on biodiversity issues are included in a new module in the climate change questionnaire. These questions are material to all sectors and geographies and responses will inform future biodiversity metrics, ensuring the relevance and usefulness of biodiversity corporate reporting to both financial institutions and policy makers. The new biodiversity questions were developed in alignment with the IUCN’s Corporate Reporting on Biodiversity Guidelines.

Climate change questionnaire structure

There are 15 modules in the general climate change questionnaire, including the Introduction and Signoff modules, plus a module presented only to organizations that are responding to a customer request from one or more CDP Supply Chain Members. The journey through CDP’s general climate change questionnaire includes the following:

- Governance
- Risks and opportunities
- Business strategy
- Targets and performance
- Emissions methodology
- Emissions data
- Energy
- Additional metrics
- Verification
- Carbon pricing
- Engagement
- Biodiversity

Sector approach

The structure of the CDP climate change questionnaire was redesigned in 2018 in response to market needs and trends in corporate climate change reporting. Revisions included the inclusion of the TCFD recommendations, an increased emphasis on forward-looking metrics, improved alignment with other reporting frameworks, and the integration of sector-specific questions.

For climate change, CDP has incorporated sector-specific questions for 16 high-impact sectors.
All question numbers in the general climate change questionnaire begin with the letter C. Introduced in 2022, question numbers in the new forests and water module for financial services organizations only, begin with the letters FW. Questions that are unique to companies in a particular sector are labelled using a two-letter abbreviation within the question number. These abbreviations are noted below.

2022 climate change sectors:
- Agriculture: Agriculture commodities (AC); Food, beverage & tobacco (FB); Paper & forestry (PF)
- Energy: Coal (CO); Electric utilities (EU); Oil & gas (OG)
- Financial: Financial services (FS)
- Materials: Cement (CE); Capital goods (CG); Chemicals (CH); Construction (CN); Metals & mining (MM); Real estate (RE); Steel (ST)
- Transport: Transport services (TS); Transport OEMs (TO)

Climate change questionnaire changes in 2022
In 2022, CDP has revised questions and introduced new questions on topics which reflect the strategic priorities for CDP and its stakeholders. However, 70% of the 2021 questions remain unchanged. A detailed document on climate change question changes from 2021 to 2022 can be found on the Guidance page of the website.

Key changes include:

Core and supply chain questions
- Ten removed questions for all companies, plus two questions removed from the supply chain module.
- New module on biodiversity for all companies: C15 Biodiversity.
- New question in module C1 Governance on board-level competence on climate-related issues.
- Questions modified in module C3 Business strategy on climate transition plans and scenario analysis, and new questions on transition-aligned spending/revenue.
- Questions modified in module C4 Targets and Performance on targets and low-carbon products.
- Module C5 on Emissions methodology updated, with new questions on changes in the reporting year, base year recalculations, and base year Scope 3 emissions.
- Simplification of fuel disclosure questions in module C8 Energy and new question on energy consumption breakdown by country.
- New questions in module C12 Engagement on climate-related requirements for suppliers, and a strengthened public policy engagement section.
- Twenty-six modified questions, including two modified supply chain questions.

RE100 companies
- Six new questions for members of the RE100 initiative in module C8 Energy on renewable energy and low carbon heat, steam, and cooling.

Financial services sector
- One general question C1.2a (2021), and five sector-specific questions removed for the financial services sector.
- Forty-one new questions for financial services organizations, including a new module requesting information on forests- and water security-related issues.
- Twenty-six modified questions for financial services sector organizations across the questionnaire.

Other sector-specific changes
- Three removed questions on scope 3 emissions by relevant business activity area, for the Agriculture commodities; Food, beverage and tobacco; and Paper and forestry sectors.
- Seven modified sector-specific questions for Cement, Chemicals, Electric utilities and Steel sectors.

Revisions and changes are indicated for every question as: “no change”, “minor change”, “modified question”, “new question”, “modified guidance”, or “additional guidance”. “Minor change” indicates wording edits and revisions to drop-down options or a simple clarification, while a “modified question” indicates that the data requested has been revised.
C0 Introduction

Introduction

(C0.1) Give a general description and introduction to your organization.

Change from last year
Modified guidance

Response options
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

(C0.2) State the start and end date of the year for which you are reporting data.

Change from last year
No change

Response options
Please complete the following table.

<table>
<thead>
<tr>
<th>Start date</th>
<th>End date</th>
<th>Indicate if you are providing emissions data for past reporting years</th>
<th>Select the number of past reporting years you will be providing emissions data for</th>
</tr>
</thead>
<tbody>
<tr>
<td>From: [DD/MM/YYYY]</td>
<td>To: [DD/MM/YYYY]</td>
<td>Select from: • Yes • No</td>
<td>Select from: • 1 year • 2 years • 3 years</td>
</tr>
</tbody>
</table>

(C0.3) Select the countries/areas in which you operate.

Change from last year
Modified question

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Country/area</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select all that apply:</td>
<td></td>
</tr>
<tr>
<td>[Country/area drop-down list]</td>
<td></td>
</tr>
</tbody>
</table>

(C0.4) Select the currency used for all financial information disclosed throughout your response.

Change from last year
No change

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Currency</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
</tr>
<tr>
<td>[Currency drop-down list]</td>
<td></td>
</tr>
</tbody>
</table>
(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Change from last year
No change

Response options
Select one of the following options:
- Financial control
- Operational control
- Equity share
- Other, please specify

(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Change from last year
New question

Response options
Please complete the following table:

(*column/row appearance is dependent on selections in this or other questions)

<table>
<thead>
<tr>
<th>Indicate whether you are able to provide a unique identifier for your organization</th>
<th>Provide your unique identifier*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 50 characters]</td>
</tr>
<tr>
<td>- Yes, an ISIN code</td>
<td></td>
</tr>
<tr>
<td>- Yes, a CUSIP number</td>
<td></td>
</tr>
<tr>
<td>- Yes, a Ticker symbol</td>
<td></td>
</tr>
<tr>
<td>- Yes, a SEDOL code</td>
<td></td>
</tr>
<tr>
<td>- Yes, another unique identifier, please specify</td>
<td></td>
</tr>
<tr>
<td>- No</td>
<td></td>
</tr>
</tbody>
</table>

[Add row]
## C1 Governance

**Board oversight**

(C1.1) Is there board-level oversight of climate-related issues within your organization?

**Change from last year**

No change

**Connection to other frameworks**

SDG

Goal 12: Responsible consumption and production

**Response options**

Select one of the following options:

- Yes
- No

*(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.*

**Question dependencies**

This question only appears if you select “Yes” in response to C1.1.

**Change from last year**

No change

**Connection to other frameworks**

SDG

Goal 12: Responsible consumption and production

**Response options**

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Position of individual(s)</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
</tr>
<tr>
<td>- Board Chair</td>
<td></td>
</tr>
<tr>
<td>- Director on board</td>
<td></td>
</tr>
<tr>
<td>- Chief Executive Officer (CEO)</td>
<td></td>
</tr>
<tr>
<td>- Chief Financial Officer (CFO)</td>
<td></td>
</tr>
<tr>
<td>- Chief Operating Officer (COO)</td>
<td></td>
</tr>
<tr>
<td>- Chief Procurement Officer (CPO)</td>
<td></td>
</tr>
<tr>
<td>- Chief Risk Officer (CRO)</td>
<td></td>
</tr>
<tr>
<td>- Chief Sustainability Officer (CSO)</td>
<td></td>
</tr>
<tr>
<td>- Chief Investment Officer (CIO) [Financial services only]</td>
<td></td>
</tr>
<tr>
<td>- Chief Credit Officer (CCO) [Financial services only]</td>
<td></td>
</tr>
<tr>
<td>- Chief Underwriting Officer (CUO) [Financial services only]</td>
<td></td>
</tr>
<tr>
<td>- Other C-Suite Officer</td>
<td></td>
</tr>
<tr>
<td>- President</td>
<td></td>
</tr>
<tr>
<td>- Board-level committee</td>
<td></td>
</tr>
<tr>
<td>- Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]
(C1.1b) Provide further details on the board’s oversight of climate-related issues.

Question dependencies
This question only appears if you select “Yes” in response to C1.1.

Change from last year
Minor change for FS only

Connection to other frameworks
TCFD
Governance recommended disclosure a) Describe the board’s oversight of climate related risks and opportunities.

SDG
Goal 12: Responsible consumption and production

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Frequency with which climate-related issues are a scheduled agenda item</th>
<th>Governance mechanisms into which climate-related issues are integrated</th>
<th>(FINANCIAL SERVICES ONLY) Scope of board-level oversight</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select all that apply:</td>
<td>Select all that apply:</td>
<td>Text field [maximum 3,000 characters]</td>
</tr>
<tr>
<td>Scheduled - all meetings</td>
<td>● Reviewing and guiding strategy</td>
<td>● Climate-related risks and opportunities to our own operations</td>
<td></td>
</tr>
<tr>
<td>Scheduled - some meetings</td>
<td>● Reviewing and guiding major plans of action</td>
<td>● Climate-related risks and opportunities to our banking activities</td>
<td></td>
</tr>
<tr>
<td>Sporadic - as important matters arise</td>
<td>● Reviewing and guiding risk management policies</td>
<td>● Climate-related risks and opportunities to our investment activities</td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td>● Reviewing and guiding annual budgets</td>
<td>● Climate-related risks and opportunities to our insurance underwriting activities</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Reviewing and guiding business plans</td>
<td>● The impact of our own operations on the climate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Setting performance objectives</td>
<td>● The impact of our banking activities on the climate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Monitoring implementation and performance of objectives</td>
<td>● The impact of our investing activities on the climate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Overseeing major capital expenditures, acquisitions and divestitures</td>
<td>● The impact of our insurance underwriting activities on the climate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Monitoring and overseeing progress against goals and targets for addressing climate-related issues</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Other, please specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

(C1.1c) Why is there no board-level oversight of climate-related issues and what are your plans to change this in the future?

Question dependencies
This question only appears if you select “No” in response to C1.1.

Change from last year
No change

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Board-level oversight of climate-related issues will be introduced within the next two years</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 1,000 characters]</td>
<td>Select from:</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td></td>
<td>● Yes, we plan to do so within the next two years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● No, we do not currently plan to do so</td>
<td></td>
</tr>
</tbody>
</table>

(C1.1d) Does your organization have at least one board member with competence on climate-related issues?

Change from last year
New question

Connection to other frameworks
**SDG**

Goal 12: Responsible consumption and production

**Response options**

Please complete the following table:

(*column/row appearance is dependent on selections in this or other questions*)

<table>
<thead>
<tr>
<th>Board member(s) have competence on climate-related issues</th>
<th>Criteria used to assess competence of board member(s) on climate-related issues*</th>
<th>Primary reason for no board-level competence on climate-related issues*</th>
<th>Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field (maximum 2,500 characters)</td>
<td>Select from:</td>
<td>Text field (maximum 2,500 characters)</td>
</tr>
<tr>
<td>Yes, and we do not plan to address this within the next two years</td>
<td></td>
<td>Important but not an immediate priority</td>
<td></td>
</tr>
<tr>
<td>No, but we plan to address this within the next two years</td>
<td></td>
<td>Judged to be unimportant, explanation provided</td>
<td></td>
</tr>
<tr>
<td>No, and we do not plan to address this within the next two years</td>
<td></td>
<td>Other, please specify</td>
<td></td>
</tr>
<tr>
<td>Not assessed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Management responsibility**

(C1.2) **Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.**

Change from last year

Minor change for FS only

Connections to other frameworks

**TCFD**

Governance recommended disclosure b) Describe management’s role in assessing and managing climate related risks and opportunities.

**SDG**

Goal 12: Responsible consumption and production

**Response options**

Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.
### C1.2a Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

**Change from last year**

Removed question for FS only.

**Connection to other frameworks**

*TCFD*

Governance recommended disclosure b) Describe management’s role in assessing and managing climate related risks and opportunities.

*SDG*

Goal 12: Responsible consumption and production

**Response options**

<table>
<thead>
<tr>
<th>Name of the position(s) and/or committee(s)</th>
<th>[FINANCIAL SERVICES ONLY] Reporting line</th>
<th>Responsibility</th>
<th>[FINANCIAL SERVICES ONLY] Coverage of responsibility</th>
<th>Frequency of reporting to the board on climate-related issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Executive Officer (CEO)</td>
<td>Reports to the board directly</td>
<td>Assessing climate-related risks and opportunities</td>
<td>Select all that apply:</td>
<td>Select from:</td>
</tr>
<tr>
<td>Chief Financial Officer (CFO)</td>
<td>CEO reporting line</td>
<td>Managing climate-related risks and opportunities</td>
<td>- Risks and opportunities related to our banking</td>
<td></td>
</tr>
<tr>
<td>Chief Operating Officer (COO)</td>
<td>Risk - CRO reporting line</td>
<td>Both assessing and managing climate-related risks and opportunities</td>
<td>- Risks and opportunities related to our investing activities</td>
<td></td>
</tr>
<tr>
<td>Chief Procurement Officer (CPO)</td>
<td>Finance - CFO reporting line</td>
<td>Other, please specify</td>
<td>- Risks and opportunities related to our insurance underwriting activities</td>
<td></td>
</tr>
<tr>
<td>Chief Risk Officer (CRO)</td>
<td>Investment - CIO reporting line</td>
<td>Other, please specify</td>
<td>- Risks and opportunities related to our own operations</td>
<td></td>
</tr>
<tr>
<td>Chief Sustainability Officer (CSO)</td>
<td>Operations - COO reporting line</td>
<td>Other, please specify</td>
<td>- More frequently than quarterly</td>
<td></td>
</tr>
<tr>
<td>Chief Investment Officer (CIO) [Financial services only]</td>
<td>Corporate Sustainability/CSR reporting line</td>
<td>Other, please specify</td>
<td>- Quarterly</td>
<td></td>
</tr>
<tr>
<td>Chief Underwriting Officer (CUO) [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td>- Half-yearly</td>
<td></td>
</tr>
<tr>
<td>Other C-Suite Officer, please specify</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td>- Annually</td>
<td></td>
</tr>
<tr>
<td>President</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td>- Less frequently than annually</td>
<td></td>
</tr>
<tr>
<td>Risk committee</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td>- As important matters arise</td>
<td></td>
</tr>
<tr>
<td>Sustainability committee</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td>- Not reported to the board</td>
<td></td>
</tr>
<tr>
<td>Safety, Health, Environment and Quality committee</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corporate responsibility committee</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credit committee [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investment committee [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsible Investment committee [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audit committee [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business unit manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental, health, and Safety manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment/Sustainability manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facility manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Process operation manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Procurement manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public affairs manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risk manager</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portfolio/Fund manager [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESG Portfolio/Fund manager [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investment/credit/insurance analyst [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dedicated responsible investment analyst [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investor relations manager [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risk analyst [Financial services only]</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>There is no management level responsibility for climate-related issues</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Employee incentives

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

Change from last year
No change

Connection to other frameworks
SDG

Goal 12: Responsible consumption and production

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Provide incentives for the management of climate-related issues</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
</tr>
<tr>
<td>● Yes</td>
<td>Text field (maximum 1,000 characters)</td>
</tr>
<tr>
<td>● No, not currently but we plan to introduce them in the next two years</td>
<td></td>
</tr>
<tr>
<td>● No, and we do not plan to introduce them in the next two years</td>
<td></td>
</tr>
</tbody>
</table>

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Question dependencies
This question only appears if you select “Yes” in response to C1.3.

Change from last year
No change

Connection to other frameworks
SDG

Goal 12: Responsible consumption and production

2018 RobecoSAM Corporate Sustainability Assessment (DJSI)

Strategy

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.
<table>
<thead>
<tr>
<th>Entitled to incentive</th>
<th>Type of incentive</th>
<th>Activity incentivized</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Select all that apply</td>
<td>Text field (maximum 2,400 characters)</td>
</tr>
<tr>
<td>• Board Chair</td>
<td>• Monetary reward</td>
<td>• Emissions reduction project</td>
<td></td>
</tr>
<tr>
<td>• Board/Executive board</td>
<td>• Non-monetary award</td>
<td>• Emissions reduction target</td>
<td></td>
</tr>
<tr>
<td>• Director on board</td>
<td></td>
<td>• Energy reduction project</td>
<td></td>
</tr>
<tr>
<td>• Corporate executive team</td>
<td></td>
<td>• Energy reduction target</td>
<td></td>
</tr>
<tr>
<td>• Chief Executive Officer (CEO)</td>
<td></td>
<td>• Efficiency project</td>
<td></td>
</tr>
<tr>
<td>• Chief Financial Officer (CFO)</td>
<td></td>
<td>• Efficiency target</td>
<td></td>
</tr>
<tr>
<td>• Chief Operating Officer (COO)</td>
<td></td>
<td>• Behavior change related indicator</td>
<td></td>
</tr>
<tr>
<td>• Chief Procurement Officer (CPO)</td>
<td></td>
<td>• Environmental criteria included in purchases</td>
<td></td>
</tr>
<tr>
<td>• Chief Risk Officer (CRO)</td>
<td></td>
<td>• Supply chain engagement</td>
<td></td>
</tr>
<tr>
<td>• Chief Sustainability Officer (CSO)</td>
<td></td>
<td>• Company performance against a climate-related sustainability index</td>
<td></td>
</tr>
<tr>
<td>• Chief Investment Officer (CIO) [Financial services only]</td>
<td></td>
<td>• Portfolio/fund alignment to climate-related objectives [Financial services only]</td>
<td></td>
</tr>
<tr>
<td>• Chief Underwriting Officer (CUO) [Financial services only]</td>
<td></td>
<td>• Other, please specify</td>
<td></td>
</tr>
<tr>
<td>• Chief Credit Officer (CCO) [Financial services only]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Other C-Suite Officer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• President</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Executive officer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Management group</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Business unit manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Energy manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Environmental, health, and safety manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Environment/Sustainability manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Facilities manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Process operation manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Procurement manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Public affairs manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Risk manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Portfolio/Fund manager [Financial services only]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• ESG Portfolio/Fund manager [Financial services only]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Investment analyst [Financial services only]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Dedicated Responsible Investment staff [Financial services only]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Investor Relations staff [Financial services only]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Risk management staff [Financial services only]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Buyers/purchasers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• All employees</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Other, please specify</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]
C2 Risks and opportunities

Management processes

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Change from last year
No change

Connection to other frameworks

TCFD

Risk Management recommended disclosure a) Describe the organization's processes for identifying and assessing climate-related risks.

Risk Management recommended disclosure b) Describe the organization's processes for managing climate-related risks

Risk Management recommended disclosure c) Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management.

Response options
Select one of the following options:
• Yes
• No

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

Change from last year
No change

Connection to other frameworks

TCFD

Strategy recommended disclosure a) Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term.

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Time horizon</th>
<th>From (years)</th>
<th>To (years)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short-term</td>
<td>Numerical field [enter a number from 0-100 using no decimals or commas]</td>
<td>Numerical field [enter a number from 0-100 using no decimals or commas]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Medium-term</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-term</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Change from last year
Additional guidance

Response options
This is an open text question with a limit of 5,000 characters. Please note that when copying from another document into the ORS, formatting is not retained.

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Question dependencies
This question only appears if you select "Yes" in response to C2.1.
Change from last year
Minor change for FS only.

Connection to other frameworks

TCFD

Risk Management recommended disclosure a) Describe the organization's processes for identifying and assessing climate-related risks.

Risk Management recommended disclosure b) Describe the organization's processes for managing climate-related risks

Risk Management recommended disclosure c) Describe how processes for identifying, assessing, and managing climate related risks are integrated into the organization’s overall risk management.

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Value chain stage(s) covered</th>
<th>Risk management process</th>
<th>Frequency of assessment</th>
<th>Time horizon(s) covered</th>
<th>Description of process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select all that apply:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Select all that apply:</td>
<td>Text field [maximum 7,000 characters]</td>
</tr>
<tr>
<td>Direct operations</td>
<td>Integrated into multi-disciplinary company-wide risk management process</td>
<td>More than once a year</td>
<td>Short-term</td>
<td></td>
</tr>
<tr>
<td>Upstream</td>
<td>A specific climate-related risk management process</td>
<td>Annually</td>
<td>Medium-term</td>
<td></td>
</tr>
<tr>
<td>Downstream [not shown to FS]</td>
<td></td>
<td>Every two years</td>
<td>Long-term</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Every three years or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not defined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C2.2a) Which risk types are considered in your organization’s climate-related risk assessments?

Question dependencies
This question only appears if you select “Yes” in C2.1.

Change from last year
Additional guidance

Connection to other frameworks

TCFD

Risk Management recommended disclosure a) Describe the organization's processes for identifying and assessing climate-related risks.

Response options
Please complete the following table:
Questions C-FS2.2b to C-FS2.2e only apply to organizations with activities in the Financial Services sector.

(C2.2g) Why does your organization not have a process in place for identifying, assessing, and responding to climate-related risks and opportunities, and do you plan to introduce such a process in the future?

Question dependencies
This question only applies if you select “No” in response to C2.1.

Change from last year
No change

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Test field [maximum 1,500 characters]</td>
</tr>
<tr>
<td>● We are planning to introduce a climate-related risk management process in the next two years</td>
<td></td>
</tr>
<tr>
<td>● Important but not an immediate business priority</td>
<td></td>
</tr>
<tr>
<td>● Judged to be unimportant, explanation provided</td>
<td></td>
</tr>
<tr>
<td>● Lack of internal resources</td>
<td></td>
</tr>
<tr>
<td>● Insufficient data on operations</td>
<td></td>
</tr>
<tr>
<td>● No instruction from management</td>
<td></td>
</tr>
<tr>
<td>● Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

Risk disclosure

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Change from last year
No change

Connection to other frameworks
TCFD
Strategy recommended disclosure a) Describe the climate related risks and opportunities the organization has identified over the short, medium, and long term.

SDG
Goal 13: Climate action

Response options
Select one of the following options:

- Yes
- No

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Question dependencies
This question only appears if you select “Yes” in response to C2.3.

Change from last year
Modified question

Connection to other frameworks

TCFD
Strategy recommended disclosure a) Describe the climate related risks and opportunities the organization has identified over the short, medium, and long term.

Strategy recommended disclosure b) Describe the impact of climate-related risks and opportunities on the organization’s businesses, strategy and financial planning.

Please note: columns 1-7 align with the TCFD recommendations.

SDG
Goal 12: Responsible consumption and production

Goal 13: Climate action

Response options
Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Identifier</th>
<th>Where in the value chain does the risk driver occur?</th>
<th>Risk type</th>
<th>Primary climate-related risk driver</th>
<th>Primary potential financial impact</th>
<th>Company-specific description</th>
<th>Time horizon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Risk1 - Risk100</td>
<td>Select from:</td>
<td>Current regulation</td>
<td>Capital adequacy and risk-weighted assets</td>
<td>Text field (maximum 2,500 characters)</td>
<td>Select from:</td>
</tr>
<tr>
<td>Banking portfolio [FS only]</td>
<td>Emerging regulation</td>
<td>Current regulation</td>
<td>Financial services only</td>
<td>Capital adequacy and risk-weighted assets</td>
<td>Select from:</td>
<td></td>
</tr>
<tr>
<td>Investing (Asset manager) portfolio [FS only]</td>
<td>Legal</td>
<td>Liquidity risk</td>
<td></td>
<td></td>
<td>Short-term</td>
<td></td>
</tr>
<tr>
<td>Investing (asset owner) portfolio [FS only]</td>
<td>Technology</td>
<td>Funding risk</td>
<td></td>
<td></td>
<td>Medium-term</td>
<td></td>
</tr>
<tr>
<td>Insurance underwriting portfolio [FS only]</td>
<td>Market</td>
<td>Market risk</td>
<td></td>
<td></td>
<td>Long-term</td>
<td></td>
</tr>
<tr>
<td>Direct operations</td>
<td>Reputation</td>
<td>Credit risk</td>
<td></td>
<td></td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>Other parts of the value chain [FS only]</td>
<td>Acute physical</td>
<td>Insurance risk</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upstream [not shown to FS]</td>
<td>Chronic physical</td>
<td>Reputational risk</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downstream [not shown to FS]</td>
<td></td>
<td>Policy and legal risk</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Likelihood</td>
<td>Magnitude of impact</td>
<td>Are you able to provide a potential financial impact figure?</td>
<td>Potential financial impact figure (currency)</td>
<td>Potential financial impact figure - minimum (currency)</td>
<td>Potential financial impact figure - maximum (currency)</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------------------</td>
<td>-------------------------------------------------------------</td>
<td>---------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Numerical field (enter a number from 0 to 999,999,999,999 using up to 2 decimal places)</td>
<td>Numerical field (enter a number from 0 to 999,999,999,999 using up to 2 decimal places)</td>
<td>Numerical field (enter a number from 0 to 999,999,999,999 using up to 2 decimal places)</td>
<td></td>
</tr>
<tr>
<td>• Virtually certain</td>
<td>• High</td>
<td>• Yes, a single figure estimate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Very likely</td>
<td>• Medium-high</td>
<td>• Yes, an estimated range</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Likely</td>
<td>• Medium</td>
<td>• No, we do not have this figure</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• More likely than not</td>
<td>• Medium-low</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• About as likely as not</td>
<td>• Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Unlikely</td>
<td>• Unknown</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Exceptionally unlikely</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Unknown</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Explanation of financial impact figure</th>
<th>Cost of response to risk</th>
<th>Description of response and explanation of cost calculation</th>
<th>Comment</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 2,500 characters]</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td>Test field [maximum 2,500 characters]</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
</tbody>
</table>

[Add Row]

*Primary climate-related risk driver drop-down options (column 4)*

Select one of the following options:
Current regulation
- Carbon pricing mechanisms
- Enhanced emissions-reporting obligations
- Mandates on and regulation of existing products and services
- Regulation and supervision of climate-related risk in the financial sector [Financial services only]
- Other, please specify

Emerging regulation
- Carbon pricing mechanisms
- Enhanced emissions-reporting obligations
- Mandates on and regulation of existing products and services
- Regulation and supervision of climate-related risk in the financial sector [Financial services only]
- Other, please specify

Legal
- Exposure to litigation
- Regulation and supervision of climate-related risk in the financial sector [Financial services only]
- Lending that could create or contribute to systemic risk for the economy [Financial services only]
- Investing that could create or contribute to systemic risk for the economy [Financial services only]
- Insurance underwriting that could create or contribute to systemic risk for the economy [Financial services only]
- Other, please specify

Technology
- Substitution of existing products and services with lower emissions options
- Unsuccessful investment in new technologies
- Transitioning to lower emissions technology
- Other, please specify

Market
- Changing customer behavior
- Uncertainty in market signals
- Increased cost of raw materials
- Difficulty to attract co-financiers and/or investors due to uncertain risks related to the climate [Financial services only]
- Loss of clients due to a fund's poor environmental performance outcomes (e.g. if a fund has suffered climate-related write-downs) [Financial services only]
- Contraction of insurance markets, leaving clients exposed and changing the risk parameters of the credit [Financial services only]
- Rise in risk-based pricing of insurance policies (beyond demand elasticity) [Financial services only]
- Other, please specify

Regulatory
- Shifts in consumer preferences
- Stigmatization of sector
- Increased stakeholder concern or negative stakeholder feedback
- Lending that could create or contribute to systemic risk for the economy [Financial services only]
- Investing that could create or contribute to systemic risk for the economy [Financial services only]
- Insurance underwriting that could create or contribute to systemic risk for the economy [Financial services only]
- Negative press coverage related to support of projects or activities with negative impacts on the climate (e.g. GHG emissions, deforestation, water stress) [Financial services only]
- Other, please specify

Acute physical
- Avalanche
- Cold wave/frost
- Cyclone, hurricane, typhoon
- Drought
- Flood (coastal, fluvial, pluvial, groundwater)
- Glacial lake outburst
- Heat wave
- Heavy precipitation (rain, hail, snow/ice)
- Landslide
- Storm (including blizzards, dust, and sandstorms)
- Subsidence
- Tornado
- Wildfires
- Other, please specify

Chronic physical
- Changing precipitation patterns and types (rain, hail, snow/ice)
- Changing temperature (air, freshwater, marine water)
- Changing wind patterns
- Coastal erosion
- Heat stress
- Ocean acidification
- Permafrost thawing
- Precipitation and/or hydrological variability
- Saline intrusion
- Sea level rise
- Soil degradation
- Soil erosion
- Soil subsidence
- Temperature variability
- Water scarcity
- Other, please specify

Primary potential financial impact drop down options (column 5)

Select one of the following options:
- Increased direct costs
- Increased indirect (operating) costs
- Increased capital expenditures
- Increased credit risk
- Decreased revenues due to reduced demand for products and services
Decreased revenues due to reduced production capacity
Decreased access to capital
Decreased asset value or asset useful life leading to write-offs, asset impairment or early retirement of existing assets
Increased insurance claims liability [Financial services only]
Reduced profitability of investment portfolios [Financial services only]
Devaluation of collateral and potential for stranded, illiquid assets [Financial services only]
Other, please specify

(C2.3b) Why do you not consider your organization to be exposed to climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Question dependencies
This question only appears if you select “No” in response to C2.3.

Change from last year
No change

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>• Risks exist, but none with potential to have a substantive financial or strategic impact on business</td>
<td></td>
</tr>
<tr>
<td>• Evaluation in process</td>
<td></td>
</tr>
<tr>
<td>• Not yet evaluated</td>
<td></td>
</tr>
<tr>
<td>• Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

Opportunity disclosure

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Change from last year
No change

Connection to other frameworks

TCFD
Strategy recommended disclosure a) Describe the climate related risks and opportunities the organization has identified over the short, medium, and long term.

SDG
Goal 13: Climate action

Response options
Select one of the following options:

• Yes
• Yes, we have identified opportunities but are unable to realize them
• No

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Question dependencies
This question only appears if you select “Yes” in response to C2.4.

Change from last year
Modified question for FS only.

Connection to other frameworks
TCFD

Strategy recommended disclosure a) Describe the climate related risks and opportunities the organization has identified over the short, medium, and long term.

Strategy recommended disclosure b) Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning.

Please note: columns 1-7 align with the TCFD recommendations.

SDG

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

Response options

Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Identifier</th>
<th>Where in the value chain does the opportunity occur?</th>
<th>Opportunity type</th>
<th>Primary climate-related opportunity driver</th>
<th>Primary potential financial impact</th>
<th>Company-specific description</th>
<th>Time horizon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from: • Opp1 - Opp100</td>
<td>Select from: • Banking portfolio [FS only] • Investing (Asset manager) portfolio [FS only] • Investing (Asset owner) portfolio [FS only] • Insurance underwriting portfolio [FS only] • Direct operations • Other parts of the value chain [FS only] • Upstream [not shown to FS] • Downstream [not shown to FS]</td>
<td>Select from: • Resource efficiency • Energy source • Products and services • Markets • Resilience</td>
<td>See drop-down options below</td>
<td>See drop-down options below</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Select from: • Short-term • Medium-term • Long-term • Unknown</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Likelihood</th>
<th>Magnitude of impact</th>
<th>Are you able to provide a potential financial impact figure?</th>
<th>Potential financial impact figure (currency)</th>
<th>Potential financial impact figure - minimum (currency)</th>
<th>Potential financial impact figure - maximum (currency)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from: • Virtually certain • Very likely • Likely • More likely than not • About as likely as not • Unlikely • Very unlikely • Exceptionally unlikely • Unknown</td>
<td>Select from: • High • Medium-high • Medium • Medium-low • Low • Unknown</td>
<td>Select from: • Yes, a single figure estimate • Yes, an estimated range • No, we do not have this figure</td>
<td>Numerical field [enter a number from 0 to 999,999,999,999,999 using up to 2 decimal places]</td>
<td>Numerical field [enter a number from 0 to 999,999,999,999,999 using up to 2 decimal places]</td>
<td>Numerical field [enter a number from 0 to 999,999,999,999,999 using up to 2 decimal places]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Explanation of financial impact figure</th>
<th>Cost to realize opportunity</th>
<th>Strategy to realize opportunity and explanation of cost calculation</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 2,500 characters]</td>
<td>Numerical field [enter a number from 0 to 999,999,999,999,999 using up to 2 decimal places]</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
</tbody>
</table>

[Add Row]

Primary climate-related opportunity driver drop-down options (column 4)

Select one of the following options:
<table>
<thead>
<tr>
<th>Resource efficiency</th>
<th>Products and services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of more efficient modes of transport</td>
<td>Development and/or expansion of low emission goods and services</td>
</tr>
<tr>
<td>Use of more efficient production and distribution processes</td>
<td>Development of climate adaptation, resilience and insurance risk solutions</td>
</tr>
<tr>
<td>Use of recycling</td>
<td>Development of new products or services through R&amp;D and innovation</td>
</tr>
<tr>
<td>Move to more efficient buildings</td>
<td>Ability to diversify business activities</td>
</tr>
<tr>
<td>Reduced water usage and consumption</td>
<td>Shift in consumer preferences</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>Reputational benefits resulting in increased demand for goods/services (Financial services only)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Energy source</th>
<th>Markets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of lower-emission sources of energy</td>
<td>Access to new markets</td>
</tr>
<tr>
<td>Use of supportive policy incentives</td>
<td>Use of public sector incentives</td>
</tr>
<tr>
<td>Use of new technologies</td>
<td>Access to new assets and locations needing insurance coverage</td>
</tr>
<tr>
<td>Participation in carbon market</td>
<td>Increased diversification of financial assets (e.g., green bonds and infrastructure) (Financial services only)</td>
</tr>
<tr>
<td>Shift toward decentralized energy generation</td>
<td>Increased sales of liability and other insurance to cover climate-related risks (Financial services only)</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>Reduced risk of asset stranding considered in investment decision making (Financial services only)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Products and services</th>
<th>Markets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation in renewable energy programs and adoption of energy-efficiency measures</td>
<td>More timely preparation for investors in adhering to current and potentially stricter future regulation in relation to fiduciary duty (Financial services only)</td>
</tr>
<tr>
<td>New products and services related to ensuring resiliency</td>
<td>Increased demand for funds that invest in companies that have positive environmental credentials (Financial services only)</td>
</tr>
<tr>
<td>Increased reliability, climate-resilience of investment chain (Financial services only)</td>
<td>Enhanced financial performance of investee companies as a result of being able to access new markets and develop new products to meet green consumer demand (Financial services only)</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>The development of new revenue streams from new/emerging environmental markets and products (Financial services only)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Resilience</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation in renewable energy programs and adoption of energy-efficiency measures</td>
<td></td>
</tr>
<tr>
<td>Resource substitution/diversification</td>
<td></td>
</tr>
<tr>
<td>New products and services related to ensuring resiliency</td>
<td></td>
</tr>
<tr>
<td>Increased reliability, climate-resilience of investment chain (Financial services only)</td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

### Primary potential financial impact drop-down options (column 5)

Select from the following options:

- Reduced direct costs
- Reduced indirect (operating) costs
- Increased revenues resulting from increased demand for products and services
- Increased revenues through access to new and emerging markets
- Increased revenues resulting from increased production capacity
- Increased access to capital
- Increased value of fixed assets
- Increased diversification of financial assets
- Increased portfolio value due to upward revaluation of assets (Financial services only)
- Returns on investment in low-emission technology
- Other, please specify

### (C2.4b) Why do you not consider your organization to have climate-related opportunities?

**Question dependencies**

This question only appears if you select "No" or "Yes, we have identified opportunities but are unable to realize them" in response to C2.4.

**Change from last year**

No change

**Response options**

Please complete the following table:
<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Opportunities exist, but we are unable to realize them</td>
<td></td>
</tr>
<tr>
<td>- Opportunities exist, but none with potential to have a substantive financial or strategic impact on business</td>
<td></td>
</tr>
<tr>
<td>- Evaluation in progress</td>
<td></td>
</tr>
<tr>
<td>- Judged to be unimportant</td>
<td></td>
</tr>
<tr>
<td>- No instruction from management to seek out opportunities</td>
<td></td>
</tr>
<tr>
<td>- Not yet evaluated</td>
<td></td>
</tr>
<tr>
<td>- Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

Text field [maximum 2,500 characters]
C3 Business strategy

Business strategy

(C3.1) Does your organization's strategy include a transition plan that aligns with a 1.5°C world?

Change from last year
Modified question (2021 C3.1, C3.1a, C3.1b, and C3.5)

Connection to other frameworks

TCFD

Strategy recommended disclosure b) Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning.

SDG

Goal 13: Climate action

Response options

Please complete the following table:

<table>
<thead>
<tr>
<th>Transition plan</th>
<th>Publicly available transition plan</th>
<th>Mechanism by which feedback is collected from shareholders on your transition plan</th>
<th>Description of feedback mechanism</th>
<th>Frequency of feedback collection</th>
<th>Attach any relevant documents which detail your transition plan (optional)</th>
<th>Explain why your organization does not have a transition plan that aligns with a 1.5°C world and any plans to develop one in the future</th>
<th>Explain why climate-related risks and opportunities have not influenced your strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>Yes, we have a transition plan which aligns with a 1.5°C world</td>
<td>Yes</td>
<td>Our transition plan is voted on at Annual General Meetings (AGMs)</td>
<td>More frequently than annually</td>
<td>[Functionality that allows for several attachments]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No, but our strategy has been influenced by climate-related risks and opportunities, and we are developing a transition plan within two years</td>
<td>No</td>
<td>We have a different feedback mechanism in place</td>
<td>Annually</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No, our strategy has been influenced by climate-related risks and opportunities, but we do not plan to develop a transition plan within two years</td>
<td></td>
<td>Our transition plan is voted on at AGMs and we also have an additional feedback mechanism in place</td>
<td>Less frequently than annually</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No, our strategy has been influenced by climate-related risks and opportunities, but we do not plan to develop a transition plan within two years</td>
<td></td>
<td>We do not have a feedback mechanism in place, but we plan to introduce one within the next two years</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No, and our strategy has not been influenced by climate-related risks and opportunities</td>
<td></td>
<td>We do not have a feedback mechanism in place, and we do not plan to introduce one within the next two years</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

Change from last year
Modified question

Connection to other frameworks

TCFD

Strategy recommended disclosure c) Describe the resilience of the organization's strategy, taking into consideration different climate related scenarios, including a 2°C or lower scenario.

SDG
Goal 13: Climate action

2018 RobecoSAM Corporate Sustainability Assessment (DJSI)

Scenario Analysis

Response options

Complete the following table:

<table>
<thead>
<tr>
<th>Use of climate-related scenario analysis to inform strategy</th>
<th>Primary reason why your organization does not use climate-related scenario analysis to inform its strategy</th>
<th>Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Text field, 2,500 characters</td>
</tr>
<tr>
<td>• Yes, qualitative</td>
<td>• Important but not an immediate priority</td>
<td></td>
</tr>
<tr>
<td>• Yes, quantitative</td>
<td>• Judged to be unimportant, explanation provided</td>
<td></td>
</tr>
<tr>
<td>• Yes, qualitative and quantitative</td>
<td>• Lack of internal resources</td>
<td></td>
</tr>
<tr>
<td>• Yes, qualitative, but we plan to add quantitative in the next two years</td>
<td>• No instruction from management</td>
<td></td>
</tr>
<tr>
<td>• No, but we anticipate using qualitative and/or quantitative analysis in the next two years</td>
<td>• Other, please specify</td>
<td></td>
</tr>
<tr>
<td>• No, and we do not anticipate doing so in the next two years</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C3.2a) Provide details of your organization’s use of climate-related scenario analysis.

Question dependencies

This question only appears if you select "Yes, qualitative", "Yes, quantitative", "Yes, qualitative and quantitative" or "Yes, qualitative, but we plan to add quantitative in the next two years" in response to C3.2.

Change from last year

Modified question

Connection to other frameworks

TCFD

Strategy recommended disclosure c) Describe the resilience of the organization’s strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario.

SDG

Goal 13: Climate action

Response options

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.
<table>
<thead>
<tr>
<th>Climate-related scenario</th>
<th>Scenario analysis coverage</th>
<th>Temperature alignment of scenario</th>
<th>Parameters, assumptions, analytical choices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>Transition scenarios</td>
<td></td>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>• IEA NZE 2050</td>
<td></td>
<td>• 1.5°C</td>
<td></td>
</tr>
<tr>
<td>• IEA B2DS</td>
<td></td>
<td>• 1.6°C - 2°C</td>
<td></td>
</tr>
<tr>
<td>• IEA 2DS</td>
<td></td>
<td>• 2.1°C - 3°C</td>
<td></td>
</tr>
<tr>
<td>• IEA 450</td>
<td></td>
<td>• 3.1°C - 4°C</td>
<td></td>
</tr>
<tr>
<td>• IEA SDS</td>
<td></td>
<td>• 4.1°C and above</td>
<td></td>
</tr>
<tr>
<td>• IEA APS</td>
<td></td>
<td>• Unknown</td>
<td></td>
</tr>
<tr>
<td>• IEA STEPS (previously IEA NPS)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• IEA CPS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Greenpeace</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DDP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• IRENA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• ISEF NFO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical climate scenarios</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• RCP 1.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• RCP 2.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• RCP 3.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• RCP 4.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• RCP 6.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• RCP 7.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• RCP 8.5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[C3.2b] Provide details of the focal questions your organization seeks to address by using climate-related scenario analysis, and summarize the results with respect to these questions.

Question dependencies
This question only appears if you select "Yes, qualitative", "Yes, quantitative", "Yes, qualitative and quantitative" or "Yes, qualitative, but we plan to add quantitative in the next two years" in response to C3.2.

Change from last year
New question

Connection to other frameworks

TCFD
Strategy recommended disclosure b) Describe the impact of climate-related risks and opportunities on the organization’s businesses, strategy, and financial planning.

Strategy recommended disclosure c) Describe the resilience of the organization’s strategy, taking into consideration different climate related scenarios, including a 2°C or lower scenario.

SDG
Goal 13: Climate action.

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Focal questions</th>
<th>Results of the climate-related scenario analysis with respect to the focal questions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 3,000 characters]</td>
<td>Text field [maximum 3,000 characters]</td>
</tr>
</tbody>
</table>

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.
Question dependencies
This question only appears if you select any option except “No, and our strategy has not been influenced by climate-related risks and opportunities” in response to column 1 of C3.1.

Change from last year
Revised question dependency

Connection to other frameworks

TCFD
Strategy recommended disclosure b) Describe the impact of climate-related risks and opportunities on the organization’s businesses, strategy, and financial planning.

SDG
Goal 12: Responsible consumption and production
Goal 13: Climate action

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Business area</th>
<th>Have climate-related risks and opportunities influenced your strategy in this area?</th>
<th>Description of influence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Products and services</td>
<td>Select from:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Evaluation in progress</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Not evaluated</td>
<td></td>
</tr>
<tr>
<td>Supply chain and/or value chain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investment in R&amp;D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

Question dependencies
This question only appears if you select any option except “No, and our strategy has not been influenced by climate-related risks and opportunities” in response to column 1 of C3.1.

Change from last year
Revised question dependency

Connection to other frameworks

TCFD
Strategy recommended disclosure b) Describe the impact of climate-related risks and opportunities on the organization’s businesses, strategy, and financial planning.

Response options
Please complete the following table:
### Financial planning elements that have been influenced

Select all that apply:
- Revenues
- Direct costs
- Indirect costs
- Capital expenditures
- Capital allocation
- Acquisitions and divestments
- Access to capital
- Assets
- Liabilities
- Provisions or general reserves [Financial services only]
- Claims reserves [Financial services only]
- None of the above

<table>
<thead>
<tr>
<th>Description of influence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test field [maximum 7,000 characters]</td>
</tr>
</tbody>
</table>

(C3.5) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's transition to a 1.5°C world?

**Question dependencies**
This question only appears if "Yes, we have a transition plan which aligns with a 1.5°C world" is selected in column 1 of C3.1.

**Change from last year**
New Question

**Response options**
Select from:
- Yes
- No, but we plan to in the next two years
- No, and we do not plan to in the next two years

(C3.5a) Quantify the percentage share of your spending/revenue that is aligned with your organization’s transition to a 1.5°C world.

**Question dependencies**
This question only appears if "Yes" is selected in response to C3.5.

**Change from last year**
New question

**Response options**
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Financial metric</th>
<th>Percentage share of selected financial metric aligned with a 1.5°C world in the reporting year (%)</th>
<th>Percentage share of selected financial metric planned to align with a 1.5°C world in 2025 (%)</th>
<th>Percentage share of selected financial metric planned to align with a 1.5°C world in 2030 (%)</th>
<th>Describe the methodology used to identify spending/revenue that is aligned with a 1.5°C world</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Percentage field [enter a percentage from 0-100]</td>
<td>Percentage field [enter a percentage from 0-100]</td>
<td>Percentage field [enter a percentage from 0-100]</td>
<td>Test field [maximum 4,000 characters]</td>
</tr>
<tr>
<td>Revenue</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAPEX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPEX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add row]
C4 Targets and performance

Emissions targets

(C4.1) Did you have an emissions target that was active in the reporting year?

Change from last year
Modified question

Connection to other frameworks

TCFD

Metrics & Targets recommended disclosure c) Describe the targets used by the organization to manage climate related risks and opportunities and performance against targets.

SDG

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Response options
Select all that apply:
- Absolute target
- Intensity target
- Portfolio target [FS only]
- No target

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Question dependencies
This question only appears if you select "Absolute target" in response to C4.1.

Change from last year
Modified question

Connection to other frameworks

TCFD

Metrics & Targets recommended disclosure c) Describe the targets used by the organization to manage climate related risks and opportunities and performance against targets.

SDG

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

2018 RobecoSAM Corporate Sustainability Assessment (DJSI)

Climate-related targets

NZAM (FS only)
## Commitment 1

### Response options

Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Target reference number</th>
<th>Year target was set</th>
<th>Target coverage</th>
<th>Scope(s)</th>
<th>Scope 2 accounting method</th>
<th>Scope 3 category(ies)</th>
<th>Base year</th>
</tr>
</thead>
</table>
| Abs1-Abs100             | Numerical field [enter a number between 1900-2022] | Select from:  
  - Company-wide  
  - Business division  
  - Business activity  
  - Site/facility  
  - Country/region  
  - Product level  
  - Other, please specify | Select all that apply:  
  - Scope 1  
  - Scope 2  
  - Scope 3 | Select from:  
  - Location-based  
  - Marked-based | Select all that apply:  
  - Category 1: Purchased goods and services  
  - Category 2: Capital goods  
  - Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)  
  - Category 4: Upstream transportation and distribution  
  - Category 5: Waste generated in operations  
  - Category 6: Business travel  
  - Category 7: Employee commuting  
  - Category 8: Upstream leased assets  
  - Category 9: Downstream transportation and distribution  
  - Category 10: Processing of sold products  
  - Category 11: Use of sold products  
  - Category 12: End-of-life treatment of sold products  
  - Category 13: Downstream leased assets  
  - Category 14: Franchises  
  - Category 15: Investments (does not appear to FS)  
  - Other (upstream)  
  - Other (downstream) | Numerical field [enter a number between 1900-2022] |

<table>
<thead>
<tr>
<th>Base year Scope 1 emissions covered by target (metric tons CO2e)</th>
<th>Base year Scope 2 emissions covered by target (metric tons CO2e)</th>
<th>Base year Scope 3 emissions covered by target (metric tons CO2e)</th>
<th>Total base year emissions covered by target in all selected Scopes (metric tons CO2e)</th>
<th>Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1</th>
<th>Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2</th>
<th>Base year Scope 3 emissions covered by target as % of total base year emissions in Scope 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field [enter a number from 0-999,999,999,999] using a maximum of 2 decimal places and no commas</td>
<td>Numerical field [enter a number from 0-999,999,999,999] using a maximum of 2 decimal places and no commas</td>
<td>Numerical field [enter a number from 0-999,999,999,999] using a maximum of 2 decimal places and no commas</td>
<td>Percentage field [enter a number from 0-100 using a maximum of 2 decimal places]</td>
<td>Percentage field [enter a number from 0-100 using a maximum of 2 decimal places]</td>
<td>Percentage field [enter a number from 0-100 using a maximum of 2 decimal places]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes</th>
<th>Target year</th>
<th>Targeted reduction from base year (%)</th>
<th>Total emissions in target year covered by target in all selected Scopes (metric tons CO2e)</th>
<th>Scope 1 emissions in reporting year covered by target (metric tons CO2e) [auto-calculated]</th>
<th>Scope 2 emissions in reporting year covered by target (metric tons CO2e)</th>
<th>Scope 3 emissions in reporting year covered by target (metric tons CO2e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field [enter a whole number between 2017-2019]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Numerical field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Numerical field [0-999,999,999,999]</td>
<td>Numerical field [enter a number from 0-999,999,999,999] using a maximum of 2 decimal places and no commas</td>
<td>Numerical field [enter a number from 0-999,999,999,999] using a maximum of 2 decimal places and no commas</td>
<td>Numerical field [enter a number from 0-999,999,999,999] using a maximum of 2 decimal places and no commas</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)</th>
<th>% of target achieved relative to base year [auto-calculated]</th>
<th>Target status in reporting year</th>
<th>Is this a science-based target?</th>
<th>Target ambition*</th>
<th>Please explain target coverage and identify any exclusions</th>
<th>Plan for achieving target, and progress made to the end of the reporting year</th>
<th>List the emissions reduction initiatives which contributed most to achieving this target</th>
</tr>
</thead>
</table>
| Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places and no commas] | Percentage field | Select from:  
  - New  
  - Underway  
  - Achieved  
  - Expired  
  - Revised  
  - Replaced  
  - Retired | Select from drop-down options below | Select from:  
  - 1.5°C aligned  
  - Well-below 2°C aligned  
  - 2°C aligned  
  - Other, please specify | Text field [maximum 2,400 characters] | Text field [maximum 2,500 characters] | Text field [maximum 2,500 characters] |
*This column only appears if you select one of the “Yes…” options in column “Is this a science-based target?”*

**Is this a science-based target? drop-down options:**

Select one of the following options:

- Yes, and this target has been approved by the Science Based Targets initiative
- Yes, we consider this a science-based target, and the target is currently being reviewed by the Science Based Targets initiative
- Yes, we consider this a science-based target, and we have committed to seek validation of this target by the Science Based Targets initiative in the next two years
- No, but we are reporting another target that is science-based
- No, but we anticipate setting one in the next 2 years
- No, and we do not anticipate setting one in the next 2 years

(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

**Question dependencies**

This question only appears if you select “Intensity target” in response to C4.1.

**Change from last year**

Modified question

**Connection to other frameworks**

**TCFD**

Metrics & Targets recommended disclosure c) Describe the targets used by the organization to manage climate related risks and opportunities and performance against targets.

**SDG**

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

*2018 RobecoSAM Corporate Sustainability Assessment (DJSI)*

Climate-related targets

*NZAM (FS only)*

Commitment 1

**Response options**

Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” function at the bottom of the table.
<table>
<thead>
<tr>
<th>Target reference number</th>
<th>Year target was set</th>
<th>Target coverage</th>
<th>Scope(s)</th>
<th>Scope 2 accounting method</th>
<th>Scope 3 category(ies)</th>
<th>Intensity metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Int1-Int100</td>
<td>Numerical field</td>
<td>Select from:</td>
<td>Select all that apply:</td>
<td>Select all that apply:</td>
<td>Select from:</td>
<td>Select from drop-down options below</td>
</tr>
<tr>
<td></td>
<td>(enter a number between 1900- 2022)</td>
<td>Company-wide</td>
<td>Scope 1</td>
<td>Purchased goods and services</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Business division</td>
<td>Scope 2</td>
<td>Capital goods</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Business activity</td>
<td>Scope 3</td>
<td>Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Site-specificity</td>
<td></td>
<td>Category 4: Upstream transportation and distribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Country/region</td>
<td></td>
<td>Category 5: Waste generated in operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Product level</td>
<td></td>
<td>Category 6: Business travel</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other, please specify</td>
<td></td>
<td>Category 7: Employee commuting</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 8: Upstream leased assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 9: Downstream transportation and distribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 10: Processing of sold products</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 11: Use of sold products</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 12: End-of-life treatment of sold products</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 13: Downstream leased assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 14: Franchises</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 15: Investments [does not appear to FS]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other (upstream)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other (downstream)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Base year | Numerical field | Intensity figure in base year for Scope 1 (metric tons CO₂e per unit of activity) | Numerical field | Intensity figure in base year for Scope 2 (metric tons CO₂e per unit of activity) | Numerical field | Intensity figure in base year for Scope 3 (metric tons CO₂e per unit of activity) | Numerical field | Intensity figure in base year for all selected Scopes (metric tons CO₂e per unit of activity) | % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure | % of total base year emissions in Scope 2 covered by this Scope 2 intensity figure | % of total base year emissions in Scope 3 covered by this Scope 3 intensity figure | |
|-----------|-----------------|---------------------------------------------------------------------|-----------------|---------------------------------------------------------------------|-----------------|---------------------------------------------------------------------|-----------------|---------------------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------| |
| 2010      | Numerical field | [enter a number between 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Numerical field | [enter a number between 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Numerical field | [enter a number between 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Numerical field | [enter a number between 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Percentage field | Percentage field | Percentage field | |

| % of total base year emissions in Scope 1 (in all Scope 3 categories) covered by this Scope 3 intensity figure | % of total base year emissions in all selected Scopes covered by this intensity figure | Target year | Targeted reduction from base year (%) | Intensity figure in target year for all selected Scopes (metric tons CO₂e per unit of activity) (auto-calculated) | % change anticipated in absolute Scope 1+2 emissions | % change anticipated in absolute Scope 3 emissions | |
|-----------------------------------------------------------------|---------------------------------|-------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------| |
| Percentage field | [enter a percentage from 0-100 using a maximum of 2 decimal places] | Numerical field | [enter a number between 2017- 2100] | Percentage field | [enter a percentage from 0-100 using a maximum of 2 decimal places] | Numerical field | [enter a number between 0-999.999,999.999] | Numerical field | [enter a percentage from 0-100 using a maximum of 2 decimal places] | Percentage field | Percentage field | Percentage field | |

| Intensity figure in reporting year for Scope 1 (metric tons CO₂e per unit of activity) | Intensity figure in reporting year for Scope 2 (metric tons CO₂e per unit of activity) | Intensity figure in reporting year for Scope 3 (metric tons CO₂e per unit of activity) | Intensity figure in reporting year for all selected Scopes (metric tons CO₂e per unit of activity) | % of target achieved relative to base year (auto-calculated) | Target status in reporting year | Is this a science-based target? | |
|-----------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------|-----------------------------|---------------------------------| |
| Numerical field | [enter a number from 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Numerical field | [enter a number from 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Numerical field | [enter a number from 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Numerical field | [enter a number from 0-999.999,999.999 using a maximum of 10 decimal places and no commas] | Percentage field | Select from: | Select from drop-down options below | |
| [New] | [Underway] | [Expired] | [Revised] | [Retired] | | | |

Page 32 of 114 @cdp | www.cdp.net
<table>
<thead>
<tr>
<th>Target ambition*</th>
<th>Please explain target coverage and identify any exclusions</th>
<th>Plan for achieving target, and progress made to the end of the reporting year</th>
<th>List the emissions reduction initiatives which contributed most to achieving this target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>- 1.5°C aligned</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Well below 2°C aligned</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 2°C aligned</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Other, please specify</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*This column only appears if you select one of the “Yes…” options in column “Is this a science-based target?”

**Intensity metric drop-down options:**

Select one of the following options:
- Grams CO₂e per passenger kilometer
- Metric tons CO₂e per USD($) value-added
- Metric tons CO₂e per square meter
- Metric tons CO₂e per metric ton of aluminum
- Metric tons CO₂e per metric ton of steel
- Metric tons CO₂e per metric ton of cement
- Metric tons CO₂e per metric ton of cardboard
- Grams CO₂e per kilometer
- Metric tons CO₂e per unit revenue
- Metric tons CO₂e per unit FTE employee
- Metric tons CO₂e per unit hour worked
- Metric tons CO₂e per metric ton of product
- Metric tons of CO₂e per liter of product
- Metric tons CO₂e per unit of production
- Metric tons CO₂e per unit of service provided
- Metric tons CO₂e per square foot
- Metric tons CO₂e per kilometer
- Metric tons CO₂e per passenger kilometer
- Metric tons CO₂e per megawatt hour (MWh)
- Metric tons CO₂e per barrel of oil equivalent (BOE)
- Metric tons CO₂e per vehicle produced
- Metric tons CO₂e per metric ton of ore processed
- Metric tons CO₂e per ounce of gold
- Metric tons CO₂e per ounce of platinum
- Metric tons of CO₂e per metric ton of aggregate
- Metric tons of CO₂e per billion (currency) funds under management
- Other, please specify

**Is this a science-based target? Drop-down options:**

Select one of the following options:
- Yes, and this target has been approved by the Science Based Targets initiative
- Yes, we consider this a science-based target, and the target is currently being reviewed by the Science Based Targets initiative
- Yes, we consider this a science-based target, and we have committed to seek validation of this target by the Science Based Targets initiative in the next two years
No, but we are reporting another target that is science-based
No, but we anticipate setting one in the next 2 years
No, and we do not anticipate setting one in the next 2 years

(C4.1c) Explain why you did not have an emissions target, and forecast how your emissions will change over the next five years.

Question dependencies
This question only appears if you select “No target” in response to C4.1.

Change from last year
No change

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Primary reason</th>
<th>Five-year forecast</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>We are planning to introduce a target in the next two years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Important but not an immediate business priority</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Judged to be unimportant, explanation provided</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lack of internal resources</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insufficient data on operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No instruction from management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other climate-related targets

(C4.2) Did you have any other climate-related targets that were active in the reporting year?

Change from last year
Minor change

Connection to frameworks

TCFD

Metrics & Targets recommended disclosure a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.

Metrics & Targets recommended disclosure c) Describe the targets used by the organization to manage climate related risks and opportunities and performance against targets.

SDG

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

2018 RobecoSAM Corporate Sustainability Assessment (DJSI)

Climate-related targets

Response options
Select all that apply from the following options:

- Target(s) to increase low-carbon energy consumption or production
- Target(s) to reduce methane emissions
(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

**Question dependencies**
This question only appears if you select "Target(s) to increase low-carbon energy consumption or production" in response to C4.2.

**Change from last year**
Modified question

**Connection to other frameworks**

**TCFD**
Metrics & Targets recommended disclosure a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.

Metrics & Targets recommended disclosure c) Describe the targets used by the organization to manage climate related risks and opportunities and performance against targets.

**SDG**
Goal 7: Affordable and clean energy
Goal 12: Responsible consumption and production
Goal 13: Climate action

**2018 RobecoSAM Corporate Sustainability Assessment (DJSI)**

**Climate-related targets**

**Response options**
Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Target reference number</th>
<th>Year target was set</th>
<th>Target coverage</th>
<th>Target type: energy carrier</th>
<th>Target type: activity</th>
<th>Target type: energy source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low1 – Low100</td>
<td>Numerical field [enter a number between 1900-2022]</td>
<td>Select from: Company-wide Business division Business activity Site/facility Country/region Product level Other, please specify</td>
<td>Select from: Electricity Heat Steam Cooling All energy carriers Other, please specify</td>
<td>Select from: Consumption Production</td>
<td>Select from: Low-carbon energy source(s) Renewable energy source(s) only</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Base year</th>
<th>Consumption or production of selected energy carrier in base year (MWh)</th>
<th>% share of low-carbon or renewable energy in base year</th>
<th>Target year</th>
<th>% share of low-carbon or renewable energy in target year</th>
<th>% share of low-carbon or renewable energy in reporting year</th>
<th>% of target achieved relative to base year [auto-calculated]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field [enter a number between 1900-2022]</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 10 decimal places and no commas]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Numerical field [enter a number between 2017-2100]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Percentage field</td>
</tr>
</tbody>
</table>
(C4.2b) Provide details of any other climate-related targets, including methane reduction targets.

**Question dependencies**
This question only appears if you select “Other climate-related target(s)” or “Target(s) to reduce methane emissions” in response to C4.2.

**Change from last year**
Modified question

**Connection to frameworks**

**TCFD**
Metrics & Targets recommended disclosure a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.

Metrics & Targets recommended disclosure c) Describe the targets used by the organization to manage climate related risks and opportunities and performance against targets.

**SDG**
Goal 7: Affordable and clean energy
Goal 12: Responsible consumption and production
Goal 13: Climate action

**2018 RobecoSAM Corporate Sustainability Assessment (DJSI)**

Climate-related targets

**Response options**
Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Target status in reporting year</th>
<th>Is this target part of an emissions target?</th>
<th>Is this target part of an overarching initiative?</th>
<th>Please explain target coverage and identify any exclusions</th>
<th>Plan for achieving target, and progress made to the end of the reporting year</th>
<th>List the actions which contributed most to achieving this target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Select all that apply:</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>• New</td>
<td>[Emissions reduction target ID]</td>
<td>• RE100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Underway</td>
<td></td>
<td>• Science Based Targets initiative</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Achieved</td>
<td></td>
<td>• No, it’s not part of an overarching initiative</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Expired</td>
<td></td>
<td>• Other, please specify</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Revised</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Replaced</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Retired</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Target reference number</td>
<td>Year target was set</td>
<td>Target coverage</td>
<td>Target type: absolute or intensity</td>
<td>Target type: category</td>
<td>Metric (target numerator if reporting an intensity target)</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------------------</td>
<td>----------------</td>
<td>----------------------------------</td>
<td>----------------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>Oth1 – Oth100</td>
<td>Numerical field [enter a number between 1900-2022]</td>
<td>Select from: Company-wide, Business division, Business activity, Site/facility, Country/region, Product level, Other, please specify</td>
<td>Select from: Absolute, Intensity</td>
<td>Select from: Energy productivity, Energy consumption or efficiency, Renewable fuel production, Renewable fuel consumption, Waste management, Resource consumption or efficiency, Low-carbon vehicles, Low-carbon buildings, Land use change, Methane reduction target, Fossil fuel reduction target, Engagement with suppliers, Engagement with customers, R&amp;D investments, Green finance, Other, please specify</td>
<td>Select from drop-down options below</td>
</tr>
</tbody>
</table>

**Base year**
- Figure or percentage in base year

**Target year**
- Figure or percentage in target year

**Figure or percentage in reporting year**
- Figure or percentage in reporting year

**% of target achieved relative to base year**
- [auto-calculated]

**Target status in reporting year**
- Is this target part of an emissions target?
- Is this target part of an overarching initiative?
- Please explain target coverage and identify any exclusions

**Plan for achieving target, and progress made to the end of the reporting year**
- Text field [maximum 2,500 characters]

**List the actions which contributed most to achieving this target**
- Text field [maximum 2,500 characters]

**Metric (target numerator if reporting an intensity target) drop-down options:**

Select one of the following options:

**Energy productivity**
- GDP
- USD ($) value-added
- units of revenue
- ounces of gold
- ounces of platinum

**Low-carbon buildings**
- Percentage of net zero carbon buildings
- Percentage of net zero energy buildings
- Percentage of buildings with a green building certificate
- Other, please specify

[Add Row]
<table>
<thead>
<tr>
<th>Metric Units of Aggregate</th>
<th>Metric Units of Aluminum</th>
<th>Metric Units of Steel</th>
<th>Metric Units of Cement</th>
<th>Metric Units of Cardboard</th>
<th>Metric Units of Product</th>
<th>Metric Units of Ore Processed</th>
<th>Square Meters</th>
<th>Kilometers</th>
<th>Passengers Kilometers</th>
<th>Revenue Passenger Kilometers</th>
<th>Liters of Product</th>
<th>Units of Production</th>
<th>Units of Service Provided</th>
<th>Square Feet</th>
<th>Megawatt Hours (MWh)</th>
<th>Barrel of Oil Equivalents (BOE)</th>
<th>Ton of Oil Equivalents (TOE)</th>
<th>Ton of Coal Equivalents (TCE)</th>
<th>Other, please specify</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy consumption or efficiency</td>
<td>kWh</td>
<td>MWh</td>
<td>GJ</td>
<td>Million Btu</td>
<td>Tce</td>
<td>Tce</td>
<td>TOE</td>
<td>Gcal</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renewable fuel production</td>
<td>Metric tons of solid biomass</td>
<td>Metric tons of liquid biofuel</td>
<td>Cubic meters of biogas</td>
<td>Cubic meters of hydrogen</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renewable fuel consumption</td>
<td>Metric tons of solid biomass</td>
<td>Metric tons of liquid biofuel</td>
<td>Cubic meters of biogas</td>
<td>Cubic meters of hydrogen</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste management</td>
<td>Metric tons of waste diverted from landfill</td>
<td>Metric tons of waste recycled</td>
<td>Metric tons of waste reused</td>
<td>Metric tons of waste generated</td>
<td>Percentage of total waste generated that is recycled</td>
<td>Percentage of sites operating at zero-waste to landfill</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resource consumption or efficiency</td>
<td>Percentage of paper from recycled or certified sustainable sources</td>
<td>Metric tons of paper consumed</td>
<td>Percentage of plastic from recycled sources</td>
<td>Metric tons of plastic consumed</td>
<td>Percentage of packaging from recycled or certified sustainable sources</td>
<td>Metric tons of packaging consumed</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Land use change
- Hectares reforested
- Hectares afforested
- Hectares restored
- Percent of supply chain compliant with zero gross deforestation
- Other, please specify

Methane reduction target
- Cubic meters of methane vented
- Cubic meters of methane leaked
- Cubic meters of methane flared
- Total methane emissions in m3
- Total methane emissions in CO2e
- Methane leakage rate (%)
- Other, please specify

Fossil fuel reduction target
- Cubic meters of natural gas consumed
- Metric tons of coal consumed
- Barrels of oil consumed
- Percentage of fossil fuels in the fuel mix
- Other, please specify

Engagement with suppliers
- Percentage of suppliers (by emissions) disclosing their GHG emissions
- Percentage of suppliers (by emissions) setting emissions reduction targets
- Percentage of suppliers (by procurement spend) disclosing their GHG emissions
- Percentage of suppliers (by procurement spend) setting emissions reductions targets
- Percentage of suppliers (by emissions) with a science-based target
- Percentage of suppliers (by procurement spend) with a science-based target
- Percentage of suppliers (by emissions) actively engaged on climate-related issues
- Percentage of suppliers (by procurement spend) actively engaged on climate-related issues
- Other, please specify

Engagement with customers
- Percentage of customers (by emissions) disclosing their GHG emissions
- Percentage of customers (by emissions) setting emissions reduction targets
- Percentage of customers (by procurement spend) with a science-based target
- Percentage of customers (by procurement spend) actively engaged on climate-related issues
- Other, please specify

R&D investments
- Percentage of annual revenue invested in R&D of low-carbon products/services
- US$ invested in R&D of low-carbon products/services
- Percentage of R&D budget/portfolio dedicated to low-carbon products/services
- Other, please specify

Green finance
- Total amount of green bonds outstanding (green bond ratio)
- Percentage of green bonds
- Total amount of green debt instruments outstanding (green debt ratio)
- Percentage of green debt instruments
- Green finance raised and facilitated (denominated in currency)
- Green investments (denominated in currency)
- Percentage of green investments
- Other, please specify
**Low-carbon vehicles**
- Percentage of low-carbon vehicles in company fleet
- Percentage of low-carbon vehicles sold
- Percentage of company fleet using biofuel
- Percentage of battery electric vehicles in company fleet
- Percentage of conventional hybrids in company fleet
- Percentage of plug-in hybrids in company fleet
- Percentage of fuel cell electric vehicles in company fleet
- Percentage of company facilities with electric vehicle infrastructure
- Other, please specify

**Target denominator (intensity targets only) drop-down options:**

Select one of the following options:
- KWh
- MWh
- GJ
- toe
- tce
- Gcal
- revenue passenger kilometer
- USD($) value-added
- square meter
- metric ton of aluminum
- metric ton of steel
- metric ton of cement
- metric ton of cardboard
- unit revenue
- unit FTE employee
- unit hour worked
- metric ton of product
- liter of product
- unit of production
- unit of service provided
- square foot
- kilometer
- passenger kilometer
- megawatt hour (MWh)
- barrel of oil equivalent (BOE)
- vehicle produced
- metric ton of ore processed
- ounce of gold
- ounce of platinum
- metric ton of aggregate
- billion (currency) funds under management
- hectare
- metric ton of waste
- liter of fuel
- year
- total amount of bonds outstanding at the end of the reporting period
- total amount of debt outstanding at the end of the reporting period
### Other, please specify

(C4.2c) Provide details of your net-zero target(s).

**Question dependencies**
This question only appears if you select “Net-zero target(s)” in response to C4.2.

**Change from last year**
Modified question

**Connection to other frameworks**
NZAM (FS only)

**General Commitment**

**Response options**
Please complete the following table:

<table>
<thead>
<tr>
<th>Target reference number</th>
<th>Target coverage</th>
<th>Absolute/Intensity emission target(s) linked to this net-zero target</th>
<th>Target year for achieving net zero target</th>
<th>Is this a science-based target?</th>
<th>Please explain target coverage and identify any exclusions</th>
<th>Do you intend to neutralize any unabated emissions with permanent carbon removals at the target year?</th>
<th>Planned milestones and/or near-term investments for neutralization at target year?</th>
<th>Planned actions to mitigate emissions beyond your value chain (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from: NZ1-NZ100</td>
<td>Select from:</td>
<td>Select all that apply:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Company-wide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Business division</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Business activity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Disclosure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Country/Region</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Banking (Bank) [FS only]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Investing (Asset manager) [FS only]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Investing (Asset owner) [FS only]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Insurance underwriting (Insurance company) [FS only]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Product level</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

**Is this a science-based target? drop-down options:**
- Yes, and this target has been approved by the Science Based Targets initiative
- Yes, we consider this a science-based target, and the target is currently being reviewed by the Science Based Targets initiative
- Yes, we consider this a science-based target, and we have committed to seek validation of this target by the Science Based Targets initiative in the next 2 years
- No, but we are reporting another target that is science-based
- No, but we anticipate setting one in the next 2 years
- No, and we do not anticipate setting one in the next 2 years

**Emissions reduction initiatives**

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

**Change from last year**
No change

**Connection to other frameworks**
SDG
Goal 7: Affordable and clean energy

Goal 13: Climate action

Response options
Select one of the following options:
- Yes
- No

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO₂e savings.

Question dependencies
This question only appears if you select “Yes” in response to C4.3.

Change from last year
No change

Connection to other frameworks

SDG

Goal 7: Affordable and clean energy

Goal 13: Climate action

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Stage of development</th>
<th>Number of initiatives</th>
<th>Total estimated annual CO₂e savings in metric tons CO₂e (only for rows marked *)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under investigation*</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places and no commas]</td>
</tr>
<tr>
<td>To be implemented*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implementation commenced*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implemented*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not to be implemented</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Question dependencies
This question only appears if you select “Yes” in response to C4.3.

Change from last year
Minor change

Connection to other frameworks

SDG

Goal 7: Affordable and clean energy

Goal 13: Climate action

Response options
Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.
<table>
<thead>
<tr>
<th>Initiative category</th>
<th>Initiative type</th>
<th>Estimated annual CO(_2)e savings (metric tons CO(_2))</th>
<th>Scope(s) or Scope 3 category(ies) where emissions savings occur</th>
<th>Voluntary/ Mandatory</th>
<th>Annual monetary savings (unit currency – as specified in CO.4)</th>
<th>Investment required (unit currency – as specified in CO.4)</th>
<th>Payback period</th>
<th>Estimated lifetime of the initiative</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy efficiency in buildings</td>
<td>Numerical field (enter a number from 0-999,999,999,999 using a maximum of 2 decimal places and no commas)</td>
<td>Select all that apply:</td>
<td>Select from:</td>
<td>Numerical field (enter a number from 0-999,999,999,999,999 using no decimal places, and no commas)</td>
<td>Select from:</td>
<td>Numerical field (enter a number from 0-999,999,999,999,999 using no decimal places, and no commas)</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from drop-down options below</td>
</tr>
<tr>
<td>Energy efficiency in production processes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste reduction and material circularity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fugitive emissions reductions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low-carbon energy consumption</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low-carbon energy generation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-energy industrial process emissions reductions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Company policy or behavioral change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transportation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Initiative type drop-down options:**

Select one of the following options:
<table>
<thead>
<tr>
<th>Energy efficiency in buildings</th>
<th>Low-carbon energy consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insulation</td>
<td>Solid biofuels</td>
</tr>
<tr>
<td>Maintenance program</td>
<td>Liquid biofuels</td>
</tr>
<tr>
<td>draught proofing</td>
<td>Biogas</td>
</tr>
<tr>
<td>Building Energy Management Systems (BEMS)</td>
<td>Geothermal</td>
</tr>
<tr>
<td>Heating, Ventilation and Air Conditioning (HVAC)</td>
<td>Large hydropower (&gt;25 MW)</td>
</tr>
<tr>
<td>Lighting</td>
<td>Small hydropower (&lt;25 MW)</td>
</tr>
<tr>
<td>Motors and drives</td>
<td>Hydropower (capacity unknown)</td>
</tr>
<tr>
<td>Combined heat and power (coproduction)</td>
<td>Renewable hydrogen fuel cell</td>
</tr>
<tr>
<td>Waste heat recovery</td>
<td>Solar heating and cooling</td>
</tr>
<tr>
<td>Cooling technology</td>
<td>Solar PV</td>
</tr>
<tr>
<td>Process optimization</td>
<td>Solar CSP</td>
</tr>
<tr>
<td>Fuel switch</td>
<td>Nuclear</td>
</tr>
<tr>
<td>Compressed air</td>
<td>Wind</td>
</tr>
<tr>
<td>Combined heat and power (coproduction)</td>
<td>Tidal</td>
</tr>
<tr>
<td>Wastewater treatment</td>
<td>Wave</td>
</tr>
<tr>
<td>Reuse of water</td>
<td>Fossil fuel plant fitted with CCS</td>
</tr>
<tr>
<td>Reuse of steam</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Machine/equipment replacement</td>
<td>Low-carbon electricity mix</td>
</tr>
<tr>
<td>Automation</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Electrification</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Smart control system</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>motors and drives</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Product or service design</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Waste reduction and material circularity</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Waste reduction</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Product or service design</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Product/Component/material reuse</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Product/Component/material recycling</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Remanufacturing</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Fugitive emissions reductions</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Agricultural methane capture</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Agricultural nitrous oxide reduction</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Landfill methane capture</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Offshore gas methane leak capture/prevention</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Refrigerant leakage reduction</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Carbon capture and storage/utilization (CCS/U)</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Low-carbon energy generation</td>
<td>Non-energy industrial process emissions reductions</td>
</tr>
<tr>
<td>Solid biofuels</td>
<td>Process equipment replacement</td>
</tr>
<tr>
<td>Liquid biofuels</td>
<td>Process material substitution</td>
</tr>
<tr>
<td>Biogas</td>
<td>Process material efficiency</td>
</tr>
<tr>
<td>Geothermal</td>
<td>Carbon capture and storage/utilization (CCS/U)</td>
</tr>
<tr>
<td>Large hydropower (&gt;25 MW)</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Small hydropower (&lt;25 MW)</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Hydropower (capacity unknown)</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Renewable hydrogen fuel cell</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Solar heating and cooling</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Solar PV</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Solar CSP</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Nuclear</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Solar heating and cooling</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Solar PV</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Solar CSP</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Wind</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Tidal</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Wave</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Fossil fuel plant fitted with CCS</td>
<td>Other, please specify</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>Other, please specify</td>
</tr>
</tbody>
</table>

**Question dependencies**

This question only appears if you select "Yes" in response to C4.3.
Response options
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Method</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
</tr>
<tr>
<td>• Compliance with regulatory requirements/standards</td>
<td></td>
</tr>
<tr>
<td>• Dedicated budget for energy efficiency</td>
<td></td>
</tr>
<tr>
<td>• Dedicated budget for low-carbon product R&amp;D</td>
<td></td>
</tr>
<tr>
<td>• Dedicated budget for other emissions reduction activities</td>
<td></td>
</tr>
<tr>
<td>• Employee engagement</td>
<td></td>
</tr>
<tr>
<td>• Financial optimization calculations</td>
<td></td>
</tr>
<tr>
<td>• Internal price on carbon</td>
<td></td>
</tr>
<tr>
<td>• Internal incentives/recognition programs</td>
<td></td>
</tr>
<tr>
<td>• Internal finance mechanisms</td>
<td></td>
</tr>
<tr>
<td>• Lower return on investment (ROI) specification</td>
<td></td>
</tr>
<tr>
<td>• Marginal abatement cost curve</td>
<td></td>
</tr>
<tr>
<td>• Partnering with governments on technology development</td>
<td></td>
</tr>
<tr>
<td>• Other</td>
<td></td>
</tr>
<tr>
<td>Text field [maximum 2,400 characters]</td>
<td></td>
</tr>
</tbody>
</table>

[C4.3d] Why did you not have any emissions reduction initiatives active during the reporting year?

Question dependencies
This question only appears if you select "No" in response to C4.3.

Change from last year
No change

Response options
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

Question C4.4 only applies to organizations with activities in the following sectors:
• Agricultural commodities
• Food, beverage & tobacco
• Paper & forestry

Low-carbon products

(C4.6) Do you classify any of your existing goods and/or services as low-carbon products?

Change from last year
Modified question

Connection to other frameworks
**SDG**

**Goal 13: Climate action**

**Response options**
Select one of the following options:
- Yes
- No

**(C4.5a) Provide details of your products and/or services that you classify as low-carbon products.**

**Question dependencies**
This question only appears if you select “Yes” in response to C4.5.

**Change from last year**
Modified question

**Connection to other frameworks**

**SDG**

**Goal 12: Responsible consumption and production**

**2018 RobecoSAM Corporate Sustainability Assessment (DJSI)**

**Products**

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” function at the bottom of the table.

<table>
<thead>
<tr>
<th>Level of aggregation</th>
<th>Taxonomy used to classify product(s) or service(s) as low-carbon</th>
<th>Type of product(s) or service(s)</th>
<th>Description of product(s) or service(s)</th>
<th>Have you estimated the avoided emissions of this low-carbon product(s) or service(s)</th>
<th>Methodology used to calculate avoided emissions</th>
<th>Life cycle stage(s) covered for the low-carbon product(s) or service(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from dropdown list below</td>
<td>Text field [maximum 1,500 characters]</td>
<td>Select from:</td>
<td>Methodology used to calculate avoided emissions</td>
<td>Select from:</td>
</tr>
<tr>
<td>● Product or service</td>
<td>● Low-Carbon Investment (LCI) Registry Taxonomy</td>
<td></td>
<td></td>
<td>● Yes</td>
<td>● Addressing the Avoided Emissions Challenge-Chemicals sector</td>
<td>● Cradle-to-gate</td>
</tr>
<tr>
<td>● Group of products or services</td>
<td>● Climate Bonds Taxonomy</td>
<td></td>
<td></td>
<td>● No</td>
<td>● The Avoided Emissions Framework (AEF)</td>
<td>● Cradle-to-grave</td>
</tr>
<tr>
<td></td>
<td>● The EU Taxonomy for environmentally sustainable economic activities</td>
<td></td>
<td></td>
<td></td>
<td>● Evaluating the carbon-reducing impacts of ICT</td>
<td>● Cradle-to-cradle/closed loop production</td>
</tr>
<tr>
<td></td>
<td>● Green Bond Principles (ICMA)</td>
<td></td>
<td></td>
<td></td>
<td>● Estimating and Reporting the Comparative Emissions Impacts of Products (WRI)</td>
<td>● Gate-to-gate</td>
</tr>
<tr>
<td></td>
<td>● The IEA Energy Technology Perspectives</td>
<td></td>
<td></td>
<td></td>
<td>● Guidelines for Assessing the Contribution of Products to Avoided Greenhouse Gas Emissions (LCA)</td>
<td>● Use stage</td>
</tr>
<tr>
<td></td>
<td>● Clean Energy Technology Guide</td>
<td></td>
<td></td>
<td></td>
<td>● Methodology for Environmental Life-Cycle Assessment of Information and Communication Technology Goods, Networks and Services (ITU-TL, 1410)</td>
<td>● End-of-life stage</td>
</tr>
<tr>
<td></td>
<td>● No taxonomy used to classify product(s) or service(s) as low carbon</td>
<td></td>
<td></td>
<td></td>
<td>● Other, please specify</td>
<td>● Other, please specify</td>
</tr>
<tr>
<td></td>
<td>● Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>● Not applicable</td>
</tr>
<tr>
<td>Functional unit used</td>
<td>Reference product/service or baseline scenario used</td>
<td>Life cycle stage(s) covered for the reference product/service or baseline scenario</td>
<td>Estimated avoided emissions (metric tons CO₂e per functional unit) compared to reference product/service or baseline scenario</td>
<td>Explain your calculation of avoided emissions, including any assumptions</td>
<td>Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year</td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Text field [maximum 500 characters]</td>
<td>Text field [maximum 500 characters]</td>
<td>Select from: • Cradle-to-gate • Cradle-to-grave • Cradle-to-cradle/closed loop production • Cradle-to-gate + end-of-life stage • Gate-to-gate • Use stage • End-of-life stage • Other, please specify • Not applicable</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 10 decimal places and no commas]</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Numerical field [enter a number from 0-100 using a maximum of 2 decimal places and no commas]</td>
<td></td>
</tr>
</tbody>
</table>

**Type of product(s) or service(s) drop-down options:**

Select one of the following options:

**Power**
- Dry steam plant
- Flash steam plant
- Flywheel
- Geothermal electricity
- Hydropower
- Large-scale light-water nuclear reactor
- Liquid air energy storage (LAES)
- Lithium-ion batteries
- Multi-junction cell
- Offshore wind
- Organic Rankine cycle
- Parabolic trough
- Pumped storage
- Seabed fixed offshore wind turbine
- Small-scale light-water nuclear reactor
- Solar PV
- Solar tower
- Other, please specify

**Heat**
- Geothermal heat management
- Large-scale heat pump
- Latent heat storage (LHS)
- Solar thermal district heating
- Other, please specify

**Biofuels**
- Anaerobic digestor
- Bioethanol
- Biomass gasification
- Fatty acid methyl ester (FAME)
- Hydrogenated vegetable oil
- Other, please specify
Hydrogen
- Electrolysis
- Hydrogen pipelines
- Hydrogen storage tanks
- Salt cavern hydrogen storage
- Other, please specify

Ammonia
- Ammonia tankers
- Other, please specify

Batteries
- Copper recycling
- Cathode recycling
- Other, please specify

Road
- Compressed biogas engines
- Ethanol-fuelled diesel engine
- Hydrogen fuel cell
- Hydrogen Refuelling Station
- Liquified biogas engines
- Lithium-ion batteries
- Polymer electrolyte membrane fuel cell
- Other, please specify

Rail
- Magnetic levitation
- Other, please specify

Shipping
- Ammonia bunkering
- Cold ironing, alternative maritime power
- Foul Release Hull Coating
- Liquified biogas engines
- Rudder bulb
- Other, please specify

Aviation
- Geared Turbo Fan/ Ultra-High Bypass Ratio engine
- Other, please specify

Chemicals and plastics
- Chemical absorption of CO2
- Physical absorption of CO2
- Other, please specify

Iron and steel
- Chemical absorption of CO2
- Other, please specify
Cement and concrete
- Calcined clay
- Other, please specify

Pulp and paper
- Lignin extraction
- Black liquor gasification
- Other, please specify

Aluminum
- Additive manufacturing
- Other, please specify

CO2 storage
- CO2-enhance oil recovery
- Saline formation
- Other, please specify

Buildings construction and renovation
- Building orientation: Lighting
- Building orientation: Thermal performance
- Composite materials
- Dual flow ventilation
- Dynamic simulation
- Foam, caulk, tape or gaskets
- Modular components
- Natural ventilation
- Pre-casting
- Structural Insulated Panel
- Thick crystal products or thin-film products
- Other, please specify

Heating and cooling
- Advanced heat exchanger
- Air-source heat pump using heat recovery
- Aquifer thermal energy storage (ATES)
- Borehole thermal energy storage (BTES)
- Central heat pump water heaters
- Chilled water storage
- Ground-source heat pump
- Hot water tank
- Hydrogen boiler
- Pellets burning stove and boiler
- Solid-liquid ice storage
- State-of-the-art air-to-air technology
- Wood burning stove
- Other, please specify

Cooking
- Bag digester
- Composite material digester
- Improved biomass cooking stove
- Induction cooker
- LPG cooking stove
- Vitroceramic/hot plate cooking stoves
- Other, please specify

**Lighting**
- Conventional LED
- Organic LED
- Polymer LED
- Other, please specify

**Systems integration**
- Double smart grid
- Smart meter
- Other, please specify

**CO2 transport**
- Pipeline
- Other, please specify

**Other**
- Hybrid flexible demand and battery network
- Induction heating for large-scale industrial processes
- Infrared heating for large-scale industrial processes
- Other, please specify
C5 Emissions methodology

Changes in the reporting year

(C5.1) Is this your first year of reporting emissions data to CDP?

Change from last year

New question

Response options
Select one of the following options:
- Yes
- No

(C5.1a) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

Question dependencies
This question only appears if you select "No" in response to C5.1

Change from last year

New question

Response options
Please complete the following table:

*Column/row appearance is dependent on selections in this or other questions.

<table>
<thead>
<tr>
<th>Has there been a structural change?</th>
<th>Name of organization(s) acquired, divested from, or merged with*</th>
<th>Details of structural change(s), including completion dates*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select all that apply:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, an acquisition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, a divestment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, a merger</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, other structural change, please specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Text field [maximum 500 characters]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Text field [maximum 2,500 characters]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

Question dependencies
This question only appears if you select "No" in response to C5.1

Change from last year

New question

Response options
Please complete the following table:

*Column/row appearance is dependent on selections in this or other questions.
### Change(s) in methodology, boundary, and/or reporting year definition?

<table>
<thead>
<tr>
<th>Select all that apply:</th>
<th>Details of methodology, boundary, and/or reporting year definition change(s)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, a change in methodology</td>
<td></td>
</tr>
<tr>
<td>Yes, a change in boundary</td>
<td></td>
</tr>
<tr>
<td>Yes, a change in reporting year definition</td>
<td></td>
</tr>
<tr>
<td>No, but we have discovered significant errors in our previous response(s)</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

#### (C5.1c) Have your organization's base year emissions been recalculated as result of the changes or errors reported in C5.1a and C5.1b?

**Question dependencies**
This question only appears if any of the “Yes” options are selected in C5.1a, or if any of the “Yes” options or “No, but we have discovered significant errors in our previous response” is selected in response to C5.1b.

**Change from last year**
New question

**Response options**
Please complete the following table:

<table>
<thead>
<tr>
<th>Base year recalculation</th>
<th>Base year emissions recalculation policy, including significance threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>No, because we have not evaluated whether the changes should trigger a base year recalculation</td>
<td></td>
</tr>
<tr>
<td>No, because the impact does not meet our significance threshold</td>
<td></td>
</tr>
<tr>
<td>No, because the operations acquired or divested did not exist in the base year</td>
<td></td>
</tr>
<tr>
<td>No, because we do not have the data yet and plan to recalculate next year</td>
<td></td>
</tr>
</tbody>
</table>

### Base year emissions

#### (C5.2) Provide your base year and base year emissions.

**Change from last year**
Modified question (2021 C5.1)

**Response options**
Please complete the following table:
<table>
<thead>
<tr>
<th>Scope</th>
<th>Base year start</th>
<th>Base year end</th>
<th>Base year emissions (metric tons CO₂e)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope 1</td>
<td>Use the calendar button or enter dates manually in the format DD/MM/YYYY</td>
<td>Use the calendar button or enter dates manually in the format DD/MM/YYYY</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Scope 2 (location-based)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 2 (market-based)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 1: Purchased goods and services</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 2: Capital goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 4: Upstream transportation and distribution</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 5: Waste generated in operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 6: Business travel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 7: Employee commuting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 8: Upstream leased assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 9: Downstream transportation and distribution</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 10: Processing of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 11: Use of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 12: End of life treatment of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 13: Downstream leased assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 14: Franchises</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3 category 15: Investments [row hidden for FS sector]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3: Other (upstream)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 3: Other (downstream)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Emissions methodology**

(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

**Change from last year**

Minor change (2021 C5.2)

**Response options**

Select all that apply from the following options:
- ABI Energia Linee Guida
- Act on the Rational Use of Energy
- Australia - National Greenhouse and Energy Reporting Act
- Bilan Carbone
- Brazil GHG Protocol Programme
- China Corporate Energy Conservation and GHG Management Programme
- Defra Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance, 2019
ENCORD: Construction CO₂e Measurement Protocol

Energy Information Administration 1605(b)

Environment Canada, Sulphur hexafluoride (SF6) Emission Estimation and Reporting Protocol for Electric Utilities


EPRA (European Public Real Estate Association) guidelines, 2011

EPRA (European Public Real Estate Association) Sustainability Best Practice recommendations Guidelines, 2017

European Union Emission Trading System (EU ETS): The Monitoring and Reporting Regulation (MMR) – General guidance for installations

European Union Emissions Trading System (EU ETS): The Monitoring and Reporting Regulation (MMR) – General guidance for aircraft operators

French methodology for greenhouse gas emissions assessments by companies V4 (ADEME 2016)

Hong Kong Environmental Protection Department, Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings, 2010

ICLEI Local Government GHG Protocol

IEA CO₂ Emissions from Fuel Combustion

India GHG Inventory Programme

International Wine Industry Greenhouse Gas Protocol and Accounting Tool

IPCC Guidelines for National Greenhouse Gas Inventories, 2006

IPIECA's Petroleum Industry Guidelines for reporting GHG emissions, 2003


ISO 14064-1

Japan Ministry of the Environment, Law Concerning the Promotion of the Measures to Cope with Global Warming, Superseded by Revision of the Act on Promotion of Global Warming Countermeasure (2005 Amendment)

Korea GHG and Energy Target Management System Operating Guidelines

National Development and Reform Commission (NDRC) Guidance for Accounting and Reporting of GHG Emissions for Corporates (Trial)

New Zealand - Guidance for Voluntary, Corporate Greenhouse Gas Reporting

Philippine Greenhouse Gas Accounting and Reporting Programme (PhilGARP)

Programa GEI Mexico

Recommendations for reporting significant indirect emissions under Article 173-IV (ADEME 2018)

Regional Greenhouse Gas Initiative (RGGI) Model Rule

Smart Freight Centre: GLEC Framework for Logistics Emissions Methodologies

Taiwan - GHG Reduction Act

Thailand Greenhouse Gas Management Organization: The National Guideline Carbon Footprint for organization

The Climate Registry: Electric Power Sector (EPS) Protocol

The Climate Registry: General Reporting Protocol

The Climate Registry: Local Government Operations (LGO) Protocol

The Climate Registry: Oil & Gas Protocol

The Cool Farm Tool

The GHG Indicator: UNEP Guidelines for Calculating Greenhouse Gas Emissions for Businesses and Non-Commercial Organizations


The Greenhouse Gas Protocol Agricultural Guidance: Interpreting the Corporate Accounting and Reporting Standard for the Agricultural Sector

The Greenhouse Gas Protocol: Public Sector Standard


The Tokyo Cap-and Trade Program

Toitu carbonreduce programme

Toitu carbonzero programme

US EPA Center for Corporate Climate Leadership: Direct Fugitive Emissions from Refrigeration, Air Conditioning, Fire Suppression, and Industrial Gases

US EPA Center for Corporate Climate Leadership: Indirect Emissions From Events and Conferences

US EPA Center for Corporate Climate Leadership: Indirect Emissions From Purchased Electricity

US EPA Center for Corporate Climate Leadership: Direct Emissions from Stationary Combustion Sources

US EPA Center for Corporate Climate Leadership: Direct Emissions from Mobile Combustion Sources
- US EPA Mandatory Greenhouse Gas Reporting Rule
- US EPA Emissions & Generation Resource Integrated Database (eGRID)
- VfU (Verein für Umweltmanagement) Indicators Standard
- WBCSD: The Cement CO₂ and Energy Protocol
- World Steel Association CO₂ emissions data collection guidelines
- Other, please specify
C6 Emissions data

Scope 1 emissions data

(C6.1) What were your organization’s gross global Scope 1 emissions in metric tons CO\textsubscript{2}e?

Change from last year
No change

Connection to other frameworks

TCFD
Metrics & Targets recommended disclosure b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.

SDG
Goal 13: Climate action

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Year</th>
<th>Gross global Scope 1 emissions (metric tons CO\textsubscript{2}e)</th>
<th>Start date</th>
<th>End date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reporting year</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>[This cell is not seen in ORS]</td>
<td>[This cell is not seen in ORS]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Past year 1 [Only ‘appears’ if 1 year or 2 years or 3 years is selected in column 4 of C0.2]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>From: [DD/MM/YYYY]</td>
<td>To: [DD/MM/YYYY]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Past year 2 [Only ‘appears’ if 2 years or 3 years is selected in column 4 of C0.2]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>From: [DD/MM/YYYY]</td>
<td>To: [DD/MM/YYYY]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Past year 3 [Only ‘appears’ if 3 years is selected in column 4 of C0.2]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>From: [DD/MM/YYYY]</td>
<td>To: [DD/MM/YYYY]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
</tbody>
</table>

Scope 2 emissions reporting

(C6.2) Describe your organization’s approach to reporting Scope 2 emissions.

Change from last year
No change

Connection to other frameworks

SDG
Goal 13: Climate action

Response options
Please complete the following table:
**Scope 2 emissions data**

(C6.3) What were your organization’s gross global Scope 2 emissions in metric tons CO$_{2}$e?

**Change from last year**

No change

**Connection to other frameworks**

**TCFD**

Metrics & Targets recommended disclosure b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.

**Response options**

Please complete the following table:

<table>
<thead>
<tr>
<th>Year</th>
<th>Scope 2, location-based</th>
<th>Scope 2, market-based (if applicable)</th>
<th>Start date</th>
<th>End date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reporting year</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>[This cell is not seen in ORS]</td>
<td>[This cell is not seen in ORS]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Past year 1 [Only 'appears' if 1 year or 2 years or 3 years is selected in column 4 of C0.2]</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>From: [DD/MM/YYYY]</td>
<td>To: [DD/MM/YYYY]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Past year 2 [Only 'appears' if 2 years or 3 years is selected in column 4 of C0.2]</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>From: [DD/MM/YYYY]</td>
<td>To: [DD/MM/YYYY]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Past year 3 [Only 'appears' if 3 years is selected in column 4 of C0.2]</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>From: [DD/MM/YYYY]</td>
<td>To: [DD/MM/YYYY]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
</tbody>
</table>

**Exclusions**

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?

**Change from last year**

No change

**Response options**

Select one of the following options:

- Yes
- No

(C6.4a) Provide details of the sources of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure.

**Question dependencies**

This question only appears if you select "Yes" in response to C6.4.

**Change from last year**

Modified question
### Response options

Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Source</th>
<th>Relevance of Scope 1 emissions from this source</th>
<th>Relevance of location-based Scope 2 emissions from this source</th>
<th>Relevance of market-based Scope 2 emissions from this source</th>
<th>Explain why this source is excluded</th>
<th>Estimated percentage of total Scope 1+2 emissions this excluded source represents</th>
<th>Explain how you estimated the percentage of emissions this excluded source represents</th>
</tr>
</thead>
</table>
| Text field [maximum 2,400 characters] | Select from:  
- No emissions excluded  
- No emissions from this source  
- Emissions are not relevant  
- Emissions are relevant but not yet calculated  
- Emissions are relevant and calculated, but not disclosed  
- Emissions excluded due to a recent acquisition or merger  
- Emissions are not evaluated | Select from:  
- No emissions excluded  
- No emissions from this source  
- Emissions are not relevant  
- Emissions are relevant but not yet calculated  
- Emissions are relevant and calculated, but not disclosed  
- Emissions excluded due to a recent acquisition or merger  
- Emissions are not evaluated | Select from:  
- No emissions excluded  
- No emissions from this source  
- Emissions are not relevant  
- Emissions are relevant but not yet calculated  
- Emissions are relevant and calculated, but not disclosed  
- Emissions excluded due to a recent acquisition or merger  
- Emissions are not evaluated | Text field (maximum 2,400 characters) | Numeric field [enter a value of 0-100 with no decimal places] | Text field (maximum 2,500 characters) |

### Scope 3 emissions data

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Change from last year
Modified question

Connection to other frameworks

TCFD
Metrics & Targets recommended disclosure b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.

SDG
Goal 12: Responsible consumption and production
Goal 13: Climate action

2018 RobecoSAM Corporate Sustainability Assessment (DJSI)
Scope 3

Response options
Please complete the following table:
<table>
<thead>
<tr>
<th>Scope 3 category</th>
<th>Evaluation status</th>
<th>Emissions in reporting year (metric tons CO(_2)e)</th>
<th>Emissions calculation methodology</th>
<th>Percentage of emissions calculated using data obtained from suppliers or value chain partners</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchased goods and services</td>
<td>Select from: Relevant, calculated Relevant, not yet calculated Not relevant, calculated Not relevant, explanation provided Not evaluated</td>
<td>Numerical field (enter a number from 0-999,999,999,999 using a maximum of 3 decimal places and no commas)</td>
<td>Select all that apply: Supplier-specific method Hybrid method Average data method Spender-based method Average product method Average spend-based method Fuel-based method Distance-based method Waste-type-specific method Asset-specific method Lessor-specific method Site-specific method Methodology for direct use phase emissions, please specify Methodology for indirect use phase emissions, please specify Franchise-specific method Investment-specific method Other, please specify</td>
<td>Numerical field (enter a number from 0-100 using a maximum of 2 decimal places and no commas)</td>
<td>Text field (maximum 2,400 characters)</td>
</tr>
<tr>
<td>Capital goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel-and-energy-related activities (not included in Scope 1 or 2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upstream transportation and distribution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste generated in operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business travel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee commuting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upstream leased assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downstream transportation and distribution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Processing of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End of life treatment of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downstream leased assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Franchises</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investments (row hidden for FS sector companies, data point requested in C-FS14.1a)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (upstream)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (downstream)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C6.5a) Disclose or restate your Scope 3 emissions data for previous years.

**Question dependencies**
This question only appears if you select “Yes” in response to column “Indicate if you are providing emissions data for past reporting years” in C0.2.

**Change from last year**
New question

**Connection to other frameworks**
### Response options

Please complete the following table:

<table>
<thead>
<tr>
<th>Year</th>
<th>Start date</th>
<th>End date</th>
<th>Scope 3: Purchased goods and services (metric tons CO(_2)e)</th>
<th>Scope 3: Capital goods (metric tons CO(_2)e)</th>
<th>Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO(_2)e)</th>
<th>Scope 3: Upstream transportation and distribution (metric tons CO(_2)e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Past year 1</td>
<td>[DD/MM/YYYY]</td>
<td>[DD/MM/YYYY]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
<tr>
<td>Past year 2</td>
<td>[Only 'appears' if 2 years or 3 years is selected in column 4 of C0.2]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Past year 3</td>
<td>[Only 'appears' if 3 years is selected in column 4 of C0.2]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scope 3: Waste generated in operations (metric tons CO(_2)e)</th>
<th>Scope 2: Business travel (metric tons CO(_2)e)</th>
<th>Scope 3: Employee commuting (metric tons CO(_2)e)</th>
<th>Scope 3: Upstream leased assets (metric tons CO(_2)e)</th>
<th>Scope 3: Downstream transportation and distribution (metric tons CO(_2)e)</th>
<th>Scope 3: Processing of sold products (metric tons CO(_2)e)</th>
<th>Scope 3: Use of sold products (metric tons CO(_2)e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scope 3: End of life treatment of sold products (metric tons CO(_2)e)</th>
<th>Scope 3: Downstream leased assets (metric tons CO(_2)e)</th>
<th>Scope 3: Franchises (metric tons CO(_2)e)</th>
<th>Scope 3: Investments (metric tons CO(_2)e)</th>
<th>Scope 3: Other (upstream) (metric tons CO(_2)e)</th>
<th>Scope 3: Other (downstream) (metric tons CO(_2)e)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Text field [maximum 5,000 characters]</td>
</tr>
</tbody>
</table>

### Biogenic carbon data

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?
(C6.7a) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO₂.

Question dependencies
This question only appears if you select “Yes” in response to C6.7.

Change from last year
No change

Connection to other frameworks
SDG
Goal 7: Affordable and clean energy

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>CO₂ emissions from biogenic carbon (metric tons CO₂)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field (enter a number from 0-999,999,999.999 using a maximum of 3 decimal places and no commas)</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
</tbody>
</table>

Questions C6.8 and C6.9 only apply to organizations with activities in the following sectors:
- Agricultural commodities
- Food, beverage & tobacco
- Paper & forestry

Emissions intensities

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO₂e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Change from last year
No change

Connection to other frameworks
SDG
Goal 13: Climate action

Response options
Please complete the following table. It is requested that you first report your emissions intensity figure per unit of currency total revenue. You are able to add rows by using the “Add Row” button at the bottom of the table.
<table>
<thead>
<tr>
<th>Intensity figure</th>
<th>Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO₂e)</th>
<th>Metric denominator</th>
<th>Metric denominator: Unit total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 10 decimal places and no commas]</td>
<td>Select from: • unit total revenue • barrel of oil equivalent (BOE) • billion (currency) funds under management • full time equivalent (FTE) employee • kilometer • liter of product • megawatt hour generated (MWh) • megawatt hour transmitted (MWh) • metric ton of product • ounce of gold • ounce of platinum • passenger kilometer • room night produced • square foot • square meter • metric ton of aggregate • metric ton of aluminum • metric ton of coal • metric ton of ore processed • metric ton of steel • unit hour worked • unit of production • unit of service provided • vehicle produced • Other, please specify</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places and no commas]</td>
<td>Select from: • Location-based • Market-based</td>
</tr>
<tr>
<td>Scope 2 figure used</td>
<td>% change from previous year</td>
<td>Direction of change</td>
<td>Reason for change</td>
</tr>
<tr>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places and no commas]</td>
<td>Select from: • Increased • Decreased • No change</td>
<td>Text field [maximum 2,400 characters]</td>
<td></td>
</tr>
</tbody>
</table>
C7 Emissions breakdown

Scope 1 breakdown: GHGs

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Change from last year
No change

Response options
Select one of the following options:
- Yes
- No
- Don't know

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).

Question dependencies
This question only appears if you select “Yes” in response to C7.1.

Change from last year
Minor change

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Greenhouse gas</th>
<th>Scope 1 emissions (metric tons in CO₂e)</th>
<th>GWP Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Numerical field [enter a range of 0-9,999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Select from:</td>
</tr>
<tr>
<td>CO₂</td>
<td></td>
<td>IPCC Sixth Assessment Report (AR6 – 100 year)</td>
</tr>
<tr>
<td>CH₄</td>
<td></td>
<td>IPCC Fifth Assessment Report (AR5 – 100 year)</td>
</tr>
<tr>
<td>N₂O</td>
<td></td>
<td>IPCC Fourth Assessment Report (AR4 – 100 year)</td>
</tr>
<tr>
<td>HFCs</td>
<td></td>
<td>IPCC Third Assessment Report (TAR - 100 year)</td>
</tr>
<tr>
<td>PFCs</td>
<td></td>
<td>IPCC Second Assessment Report (SAR - 100 year)</td>
</tr>
<tr>
<td>SF₆</td>
<td></td>
<td>IPCC Fourth Assessment Report (AR4 - 50 year)</td>
</tr>
<tr>
<td>NF₃</td>
<td></td>
<td>IPCC Third Assessment Report (TAR - 50 year)</td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
<td>IPCC Second Assessment Report (SAR - 50 year)</td>
</tr>
</tbody>
</table>

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Change from last year
Minor change

Connection to other frameworks
### Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Scope 1 emissions (metric tons CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from a drop-down list of countries and regions. Please see the Technical Note “Country and Regions” for details around the available regions and their constituent countries.</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

### Scope 1 breakdown: business breakdown

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

**Change from last year**
No change

**Response options**
Select all that apply from the following options:
- By business division
- By facility
- By activity

(C7.3a) Break down your total gross global Scope 1 emissions by business division.

**Question dependencies**
This question only appears if you select “By business division” in response to C7.3.

**Change from last year**
No change

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Business division</th>
<th>Scope 1 emissions (metric tons CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 500 characters]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

(C7.3b) Break down your total gross global Scope 1 emissions by business facility.

**Question dependencies**
This question only appears if you select “By facility” in response to C7.3.

**Change from last year**
No change

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.
(C7.3c) Break down your total gross global Scope 1 emissions by business activity.

**Question dependencies**
This question only appears if you select “By activity” in response to C7.3.

**Change from last year**
No change

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Scope 1 emissions (metric tons CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 500 characters]</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

**Question C7.4 only applies to organizations with activities in the following sectors:**
- Agricultural commodities
- Food, beverage & tobacco
- Paper & forestry
- Coal
- Electric utilities
- Oil and gas
- Cement
- Chemical
- Metals and mining
- Steel
- Transport OEMs
- Transport services

**Scope 2 breakdown: country.**

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

**Change from last year**
Modified question

**Connection to other frameworks**

SDG

- Goal 7: Affordable and clean energy
- Goal 12: Responsible consumption and production
- Goal 13: Climate action

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Scope 2, location-based (metric tons CO₂e)</th>
<th>Scope 2, market-based (metric tons CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from a drop-down list of countries and regions. Please see the Technical Note “Country and Regions” for details around the available regions and their constituent countries.</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

[Add Row]

**Scope 2 breakdown: business breakdowns**

**(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.**

**Change from last year**

No change

**Response options**

Select all that apply from the following options:

- By business division
- By facility
- By activity

**(C7.6a) Break down your total gross global Scope 2 emissions by business division.**

**Question dependencies**

This question only appears if you select “By business division” in response to C7.6.

**Change from last year**

No change

**Response options**

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Business division</th>
<th>Scope 2, location-based (metric tons CO₂e)</th>
<th>Scope 2, market-based (metric tons CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [500 maximum characters]</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

[Add Row]

**(C7.6b) Break down your total gross global Scope 2 emissions by business facility.**

**Question dependencies**

This question only appears if you select “By facility” in response to C7.6.

**Change from last year**

No change

**Response options**

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Scope 2, location-based (metric tons CO₂e)</th>
<th>Scope 2, market-based (metric tons CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 500 characters]</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

[Add Row]

**(C7.6c) Break down your total gross global Scope 2 emissions by business activity.**
Question dependencies
This question only appears if you select “By activity” in response to C7.6.

Change from last year
No change

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Scope 2, location-based (metric tons CO(_2)e)</th>
<th>Scope 2, market-based (metric tons CO(_2)e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 500 characters]</td>
<td>Numerical field [enter a number from 0-99,999,999.999 using a maximum of 3 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0-99,999,999.999 using a maximum of 3 decimal places and no commas]</td>
</tr>
</tbody>
</table>

[Add Row]

Question C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7 only applies to organizations with activities in the following sectors:
- Cement
- Chemicals
- Coal
- Metals & mining
- Oil & gas
- Steel
- Transport OEMS
- Transport services

Question C7.8 only applies to organizations with activities in the following sectors:
- Chemicals
- Transport manufacturers

Emissions performance

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Change from last year
No change

Connection to other frameworks
SDG

Goal 7: Affordable and clean energy
Goal 12: Responsible consumption and production
Goal 13: Climate action

Response options
Select one of the following options:
- Increased
- Decreased
- Remained the same overall
- This is our first year of reporting, so we cannot compare to last year
- We don’t have any emissions data

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.
**Question dependencies**
This question only appears if you select "Increased", "Decreased" or "Remained the same overall" in response to C7.9.

**Change from last year**
No change

**Connection to other frameworks**
SDG

**Goal 7: Affordable and clean energy**

**Response options**
Please complete the following table:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Change in emissions (metric tons CO$_2$e)</th>
<th>Direction of change</th>
<th>Emissions value (percentage)</th>
<th>Please explain calculation</th>
</tr>
</thead>
</table>
| Change in renewable energy consumption | Numerical field [enter a number from 0-999,999,999,999 using a maximum of 3 decimal places and no commas] | Select from:  
- Increased  
- Decreased  
- No change | Numerical field [enter a number from 0-999 using a maximum of 4 decimal places and no commas] | Text field [maximum 2,400 characters] |

Other emissions reduction activities
Divestment
Acquisitions
Mergers
Change in output
Change in methodology
Change in boundary
Change in physical operating conditions
Unidentified
Other

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

**Question dependencies**
This question only appears if you select "Increased", "Decreased" or "Remained the same overall" in response to C7.9.

**Change from last year**
No change

**Response options**
Select one of the following options:
- Location-based
- Market-based
- Don't know
C8 Energy

Energy spend

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

Change from last year
No change

Response options
Select one of the following options:
- 0%
- More than 0% but less than or equal to 5%
- More than 5% but less than or equal to 10%
- More than 10% but less than or equal to 15%
- More than 15% but less than or equal to 20%
- More than 20% but less than or equal to 25%
- More than 25% but less than or equal to 30%
- More than 30% but less than or equal to 35%
- More than 35% but less than or equal to 40%
- More than 40% but less than or equal to 45%
- More than 45% but less than or equal to 50%
- More than 50% but less than or equal to 55%
- More than 55% but less than or equal to 60%
- More than 60% but less than or equal to 65%
- More than 65% but less than or equal to 70%
- More than 70% but less than or equal to 75%
- More than 75% but less than or equal to 80%
- More than 80% but less than or equal to 85%
- More than 85% but less than or equal to 90%
- More than 90% but less than or equal to 95%
- More than 95% but less than or equal to 100%
- Don't know

Energy-related activities

(C8.2) Select which energy-related activities your organization has undertaken.

Question dependencies
The energy-related activities that you select in response to C8.2 determine which energy breakdowns you will be prompted to respond to in the proceeding questions. Please note, if your response to C8.2 is amended, data in dependent questions may be erased.

Change from last year
No change

Response options
Please complete the following table:
<table>
<thead>
<tr>
<th>Activity</th>
<th>Indicate whether your organization undertook this energy-related activity in the reporting year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel (excluding feedstocks)</td>
<td>Select from:</td>
</tr>
<tr>
<td></td>
<td>• Yes</td>
</tr>
<tr>
<td></td>
<td>• No</td>
</tr>
<tr>
<td>Consumption of purchased or acquired electricity</td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired heat</td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired steam</td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired cooling</td>
<td></td>
</tr>
<tr>
<td>Generation of electricity, heat, steam, or cooling</td>
<td></td>
</tr>
</tbody>
</table>

(C8.2a) Report your organization’s energy consumption totals (excluding feedstocks) in MWh.

**Question dependencies**
This question only appears if you select “Yes” to any of the activities listed in C8.2. A row will appear in this table for each energy-related activity selected in C8.2. The “Total energy consumption” row will always appear.

**Change from last year**
No change

**Connection to other frameworks**
SDG

**Goal 7: Affordable and clean energy**

**Goal 12: Responsible consumption and production**

**Goal 13: Climate action**

**Response options**
Please complete the following table:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Heating value</th>
<th>MWh from renewable sources</th>
<th>MWh from non-renewable sources</th>
<th>Total (renewable + non-renewable) MWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel (excluding feedstock)</td>
<td>Select from:</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
</tr>
<tr>
<td>Consumption of purchased or acquired electricity</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired heat</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired steam</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumption of purchased or acquired cooling</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumption of self-generated non-fuel renewable energy</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total energy consumption</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C8.2b) Select the applications of your organization’s consumption of fuel.

**Question dependencies**
This question only appears if you select “Yes” to “Consumption of fuel (excluding feedstock)” in response to C8.2. Each option that you select in this table will appear as an additional column in C8.2c.

**Change from last year**
No change
Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Fuel application</th>
<th>Indicate whether your organization undertakes this fuel application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption of fuel for the generation of electricity</td>
<td>Select from:</td>
</tr>
<tr>
<td></td>
<td>• Yes</td>
</tr>
<tr>
<td></td>
<td>• No</td>
</tr>
<tr>
<td>Consumption of fuel for the generation of heat</td>
<td></td>
</tr>
<tr>
<td>Consumption of fuel for the generation of steam</td>
<td></td>
</tr>
<tr>
<td>Consumption of fuel for the generation of cooling</td>
<td></td>
</tr>
<tr>
<td>Consumption of fuel for co-generation or tri-generation</td>
<td></td>
</tr>
</tbody>
</table>

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Question dependencies
This question only appears if you select “Consumption of fuel (excluding feedstock)” in C8.2. For each fuel application selected in C8.2b a column appears in the table in addition to the “MWh fuel consumed for self-generation of heat” and “Total MWh consumed by the organization” columns. If no fuel application is selected in C8.2b then only the “Total MWh consumed by the organization” column will appear.

Change from last year
Modified question

Connection to other frameworks
SDG

Goal 7: Affordable and clean energy

Goal 13: Climate action

Response options
Please complete the following table.

<table>
<thead>
<tr>
<th>Fuels (excluding feedstocks)</th>
<th>Heating value</th>
<th>Total fuel MWh consumed by the organization</th>
<th>MWh fuel consumed for self-generation of electricity</th>
<th>MWh fuel consumed for self-generation of heat</th>
<th>MWh fuel consumed for self-generation of steam</th>
<th>MWh fuel consumed for self-generation of cooling</th>
<th>MWh fuel consumed for self-co-generation or self-tri-generation</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable biomass</td>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• LHV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• HHV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Unable to confirm heating value</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 9,999,999,999 using up to 2 decimal places and no commas]</td>
<td>Text field [maximum 2,400 characters]</td>
<td></td>
</tr>
<tr>
<td>Other biomass</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other renewable fuels (e.g. renewable hydrogen)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other non-renewable fuels (e.g. non-renewable hydrogen)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total fuel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Fixed Row]
(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

**Question Dependencies**
This question only appears if you select “Generation of electricity, heat, steam, or cooling” in response to C8.2.

**Change from last year**
No change

**Connection to other frameworks**
SDG

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

**Response options**
Please complete the following table:

<table>
<thead>
<tr>
<th>Energy Carrier</th>
<th>Total Gross generation (MWh)</th>
<th>Generation that is consumed by the organization (MWh)</th>
<th>Gross generation from renewable sources (MWh)</th>
<th>Generation from renewable sources that is consumed by the organization (MWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>Numerical field [enter a number from 0 to 999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 999,999,999 using up to 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0 to 999,999,999 using up to 2 decimal places and no commas]</td>
</tr>
<tr>
<td>Heat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steam</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C8.2e) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in C6.3.

**Question dependencies**
This question only appears if you select “We are reporting a Scope 2, market-based figure” in response to C6.2. This question is not presented to RE100 members.

**Change from last year**
Modified question

**Connection to other frameworks**
SDG

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.
## Sourcing method
- None (no active purchases of low-carbon electricity, heat, steam or cooling)
- Purchase from an on-site installation owned by a third party
- Direct line to an off-site generator owned by a third party with no grid transfers
- Direct procurement from an off-site grid-connected generator e.g. Power purchase agreement (PPA)
- Green electricity products from an energy supplier (e.g. green tariffs)
- Unbundled energy attribute certificates (EACs) purchase
- Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates
- Default delivered electricity from the grid (e.g. standard product offering by an energy supplier) from a grid that is 95% or more low-carbon and where there is no mechanism for specifically allocating low-carbon electricity
- Heat/steam/cooling supply agreement
- Other, please specify

## Energy carrier
- Electricity
- Heat
- Steam
- Cooling
- Heat, steam and cooling combined

## Low-carbon technology type
- Solar
- Wind
- Large hydropower (>25 MW)
- Small hydropower (<25 MW)
- Hydroelectric (capacity unknown)
- Nuclear
- Sustainable biomass
- Other biomass
- Renewable hydrogen fuel cell
- Marine
- Geothermal
- Fossil-fuel plants fitted with CCS
- Low-carbon energy mix, please specify
- Renewable energy mix, please specify

## Country/area of low-carbon energy consumption
- [Country/area drop-down list]

## Tracking instrument used
- Contract
- GEC
- GO
- Indian REC
- I-REC
- J-Credit
- Australian LGC
- NFC – Renewable
- REGO
- TIGR
- T-REC
- US-REC
- Other, please specify
- No instrument used

## Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)
- [Numerical field (0-999,999,999,999)]

## Country/area of origin (generation) of the low-carbon energy or energy attribute
- [Country/area drop-down list]

## Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)
- [Numerical field (1900-2021)]

## Comment
- Text field [maximum 2,500 characters]

---

**[Add Row]**

(C8.2g) Provide a breakdown of your non-fuel energy consumption by country.

### Change from last year

New question

#### Connection to other frameworks

**SDG**

Goal 7: Affordable and clean energy

Goal 13: Climate action

#### Response options

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

*Column presented to RE100 members only.*

<table>
<thead>
<tr>
<th>Country/area</th>
<th>Consumption of electricity (MWh)</th>
<th>Consumption of heat, steam, and cooling (MWh)</th>
<th>Total non-fuel energy consumption (MWh) [Auto-calculated]</th>
<th>Is this consumption excluded from your RE100 commitment?</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Country/area drop-down list]</td>
<td>[Numerical field (enter a number from 0-999,999,999,999 using a maximum of 2 decimal places)]</td>
<td>[Numerical field (enter a number from 0-999,999,999,999 using a maximum of 2 decimal places)]</td>
<td>[Numerical field (0-999,999,999,999)]</td>
<td>Select from:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• No</td>
</tr>
</tbody>
</table>
### (C8.2h) Provide details of your organization’s renewable electricity purchases in the reporting year by country

**Question dependencies**
This question only appears to RE100 members

**Change from last year**
New question

**Connection to other frameworks**
SDG

Goal 7: Affordable and clean energy
Goal 12: Responsible consumption and production
Goal 13: Climate action

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Country/area of renewable electricity consumption</th>
<th>Sourcing method</th>
<th>Renewable electricity technology type</th>
<th>Renewable electricity consumed via selected sourcing method in the reporting year (MWh)</th>
<th>Tracking instrument used</th>
<th>Total attribute instruments retained for consumption by your organization (MWh)</th>
<th>Country/area of origin (generation) of the renewable electricity/attribute consumed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from: [Country/area drop-down list]</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td>Select from: [Country/area drop-down list]</td>
</tr>
<tr>
<td>• Purchase from an on-site installation owned by a third party</td>
<td>• Solar</td>
<td>• Contract</td>
<td>• No brand, label, or certification</td>
<td>• No brand, label, or certification</td>
<td>• No instrument used</td>
<td></td>
</tr>
<tr>
<td>• Direct line to an off-site generator owned by a third party with no grid transfers</td>
<td>• Wind</td>
<td>• GEC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Direct procurement from an offsite grid-connected generator e.g. Power Purchase Agreement (PPA)</td>
<td>• Large hydropower (&gt;35 MW)</td>
<td>• GO</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Green electricity products from an energy supplier (e.g. Green Tariffs)</td>
<td>• Small hydropower (&lt;25 MW)</td>
<td>• Indian REC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Unbundled Energy Attribute Certificate (EAC) purchase</td>
<td>• Hydropower [capacity unknown]</td>
<td>• I-REC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Default delivered renewable electricity from the grid, supported by energy attribute certificates</td>
<td>• Sustainable Biomass</td>
<td>• J-Credit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Default delivered renewable electricity from a grid that is 95% or more renewable and where there is no mechanism for specifically allocating renewable electricity</td>
<td>• Renewable hydrogen fuel cell</td>
<td>• Australian LGC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Other, please specify</td>
<td>• Marine</td>
<td>• NFC - Renewable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Geothermal</td>
<td>• Geothermal</td>
<td>• REGO</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Renewable electricity mix, please specify</td>
<td>• Marine</td>
<td>• TIGR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Other, please specify</td>
<td>• Renewable electricity mix, please specify</td>
<td>• T-REC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• No brand, label, or certification</td>
<td>• Renewable electricity mix, please specify</td>
<td>• US-REC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Other, please specify</td>
<td>• No brand, label, or certification</td>
<td>• Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
Numerical field [enter a number between 1900 - 2022]

**Vintage of the renewable electricity/attribute (i.e. year of generation)**
Select from:
- Before 2018
- 2019
- 2020
- 2021
- 2022

**Brand, label, or certification of the renewable electricity purchase**
- Green-e
- EXEenergy label
- Gold Standard Renewable Energy
- Other, please specify
- No brand, label, or certification

**Comment**
Text field (maximum 2,500 characters)

### (C8.2i) Provide details of your organization’s low-carbon heat, steam, and cooling purchases in the reporting year by country.

**Question dependencies**

---

Page 73 of 114
This question only appears to RE100 members. This question only appears if you select “Yes” in response to “Consumption of purchased or acquired heat”, “Consumption of purchased or acquired steam” or “Consumption of purchased or acquired cooling” in response to C8.2.

**Change from last year**
New question

**Connection to other frameworks**
SDG

Goal 7: Affordable and clean energy

Goal 13: Climate action

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Country/area of consumption of low-carbon heat, steam or cooling</th>
<th>Sourcing method</th>
<th>Energy carrier</th>
<th>Low-carbon technology type</th>
<th>Low-carbon heat, steam, or cooling consumed (MWh)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>[Country/area drop-down list]</td>
<td>None (no purchases of low-carbon heat, steam, or cooling)</td>
<td>Heat</td>
<td>Solar</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heat/steam/cooling supply agreement</td>
<td>Steam</td>
<td>Sustainable biomass</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other, please specify</td>
<td>Cooling</td>
<td>Other biomass</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Heat, steam, and cooling combined</td>
<td>Low-carbon energy mix</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Renewable energy mix</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add row]

(C8.2j) Provide details of your organization’s renewable electricity generation by country in the reporting year.

**Question dependencies**
This question only appears to RE100 members

**Change from last year**
New question

**Connection to other frameworks**
SDG

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

*Column/row appearance is dependent on selections in this or other questions.*
<table>
<thead>
<tr>
<th>Country/area of generation</th>
<th>Renewable electricity technology type</th>
<th>Facility capacity (MW)</th>
<th>Total renewable electricity generated by this facility in the reporting year (MWh)</th>
<th>Renewable electricity directly consumed by your organization from this facility in the reporting year for which certificates were not issued (MWh)</th>
<th>Renewable electricity directly consumed by your organization from this facility in the reporting year for which certificates were issued and retired (MWh)</th>
<th>Renewable electricity sold to the grid in the reporting year (MWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select from:</strong> [Country/area drop-down list]</td>
<td><strong>Select from:</strong> Solar, Wind, Hydropower, Sustainable biomass, Renewable hydrogen fuel cell, Marine, Geothermal, Renewable electricity mix, please specify</td>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
</tr>
<tr>
<td>Certificates issued for the renewable electricity that was sold to the grid (MWh)</td>
<td>Certificates issued and retired for self-consumption for the renewable electricity that was sold to the grid (MWh)</td>
<td>Type of energy attribute certificate*</td>
<td>Total self-generation counted towards RE100 target (MWh) [Auto-calculated]</td>
<td>Comment</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td><strong>Select from:</strong> GEC, GO, Indian REC, I-REC, J-Credit, Australian LGC, NFC - Renewable, REGO, TIGR, T-REC, US-REC, Other, please specify</td>
<td><strong>Numerical field</strong> [enter a number from 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td><strong>Text field</strong> [maximum 2,500 characters]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add row]

(C8.2k) Describe how your organization’s renewable electricity sourcing strategy directly or indirectly contributes to bringing new capacity into the grid in the countries/areas in which you operate.

**Question dependencies**
This question only appears to RE100 members

**Change from last year**
New question

**Connection to other frameworks**

**SDG**

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

**Response options**
This is an open text question with a limit of 5,000 characters.

(C8.2j) In the reporting year, has your organization faced any challenges to sourcing renewable electricity?

**Question dependencies**
This question only appears to RE100 members

**Change from last year**
**New question**

**Connection to other frameworks**

**SDG**

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

**Response options**

Please complete the following table.

*Column/row appearance is dependent on selections in this or other questions.*

<table>
<thead>
<tr>
<th>Challenges to sourcing renewable electricity</th>
<th>Challenges faced by your organization which were not country-specific*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
</tr>
<tr>
<td>● Yes, in specific countries/areas in which we operate</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>● Yes, not specific to a country/area</td>
<td></td>
</tr>
<tr>
<td>● Yes, both in specific countries/areas and in general</td>
<td></td>
</tr>
<tr>
<td>● No</td>
<td></td>
</tr>
</tbody>
</table>

(C8.2m) Provide details of the country-specific challenges to sourcing renewable electricity faced by your organization in the reporting year.

**Question dependencies**

This question only appears if “Yes, in specific countries/areas in which we operate” or “Yes, both in specific countries/areas and in general” is selected in response to column 1 in C8.2l.

**Change from last year**

New question

**Connection to other frameworks**

**SDG**

Goal 7: Affordable and clean energy

Goal 12: Responsible consumption and production

Goal 13: Climate action

**Response options**

Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.
<table>
<thead>
<tr>
<th>Country/Area</th>
<th>Reason(s) why it was challenging to source renewable electricity within selected country/area</th>
<th>Provide additional details of the barriers faced within this country/area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select all that apply:</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>[Country/Area drop-down list]</td>
<td>• Arbitrary grid usage charges • Inability to buy Energy Attribute Certificates (EACs) in small quantities • Inability to make exclusive renewable electricity usage claims • Internal capacity issues • Issues with landlord-tenant arrangements • Lack of credible renewable electricity procurement options (e.g. EACs, Green Tariffs) • Lack of market data • Lack of electricity market structure supporting bilateral PPAs • Limited supply of renewable electricity in the market • Prohibitively priced renewable electricity • Regulatory instability • Small load • Unable to get internal company approval • Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>
Other climate-related metrics

(C9.1) Provide any additional climate-related metrics relevant to your business.

Change from last year
No change

Connection to other frameworks
TCFD

Metrics & Targets recommended disclosure a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.

Response options
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Description</th>
<th>Metric value</th>
<th>Metric numerator</th>
<th>Metric denominator (intensity metric only)</th>
<th>% change from previous year</th>
<th>Direction of change</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from: Waste</td>
<td>Numerical field [enter a number from 0 to 99,999,999,999 using up to 2 decimal places]</td>
<td>Text field [maximum 50 characters]</td>
<td>Text field [maximum 50 characters]</td>
<td>Numerical field [enter a number from 0 to 999 using up to 2 decimal places]</td>
<td>Select from: Increased Decreased No change</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Energy usage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land use</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]
C10 Verification

Verification

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

Change from last year
No change

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Scope</th>
<th>Verification/assurance status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope 1</td>
<td>Select from:</td>
</tr>
<tr>
<td></td>
<td>- No emissions data provided</td>
</tr>
<tr>
<td></td>
<td>- No third-party verification or assurance</td>
</tr>
<tr>
<td></td>
<td>- Third-party verification or assurance process in place</td>
</tr>
<tr>
<td>Scope 2 (location-based or market-based)</td>
<td>Select from:</td>
</tr>
<tr>
<td></td>
<td>- No emissions data provided</td>
</tr>
<tr>
<td></td>
<td>- No third-party verification or assurance</td>
</tr>
<tr>
<td></td>
<td>- Third-party verification or assurance process in place</td>
</tr>
<tr>
<td>Scope 3</td>
<td>Select from:</td>
</tr>
<tr>
<td></td>
<td>- No emissions data provided</td>
</tr>
<tr>
<td></td>
<td>- No third-party verification or assurance</td>
</tr>
<tr>
<td></td>
<td>- Third-party verification or assurance process in place</td>
</tr>
</tbody>
</table>

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions and attach the relevant statements.

Question dependencies
This question only appears if you select “Third-party verification or assurance process in place” for Scope 1 emissions in response to C10.1.

Change from last year
Minor Change

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Verification or assurance cycle in place</th>
<th>Status in the current reporting year</th>
<th>Type of verification or assurance</th>
<th>Attach the statement</th>
<th>Page/section reference</th>
<th>Relevant standard</th>
<th>Proportion of reported emissions verified (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Annual process</td>
<td></td>
<td>- No verification or assurance of current reporting year</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Biennial process</td>
<td></td>
<td>- Underway but not complete for current reporting year – first year it has taken place</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Triennial process</td>
<td></td>
<td>- Underway but not complete for reporting year – previous statement of process attached</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Complete</td>
<td></td>
<td>- Complete</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

Relevant standard drop-down options:
- AA1000AS
- Advanced technologies promotion Subsidy Scheme with Emission reduction Target (ASSET)
<table>
<thead>
<tr>
<th>Verification/Accreditation/Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airport Carbon Accreditation (ACA) des Airports Council International Europe</td>
</tr>
<tr>
<td>Alberta Technology Innovation and Emissions Reduction (TIER)</td>
</tr>
<tr>
<td>ASAE3000</td>
</tr>
<tr>
<td>Attestation standards established by AICPA (AT105)</td>
</tr>
<tr>
<td>Australian National GHG emission regulation (NGER)</td>
</tr>
<tr>
<td>California Mandatory GHG Reporting Regulations (CARB)</td>
</tr>
<tr>
<td>Canadian Institute of Chartered Accountants (CICA) Handbook: Assurance Section 5025</td>
</tr>
<tr>
<td>Certified emissions measurement and reduction scheme (CEMARS)</td>
</tr>
<tr>
<td>Chicago Climate Exchange (CCX) verification standard</td>
</tr>
<tr>
<td>Compagnie Nationale des Commissaires aux Comptes (CNCC)</td>
</tr>
<tr>
<td>Corporate GHG verification guidelines from ERT</td>
</tr>
<tr>
<td>DNV Verisustain Protocol/ Verification Protocol for Sustainability Reporting</td>
</tr>
<tr>
<td>Earthcheck Certification</td>
</tr>
<tr>
<td>ERM GHG Performance Data Assurance Methodology</td>
</tr>
<tr>
<td>European Union Emissions Trading System (EU ETS)</td>
</tr>
<tr>
<td>IDW PS 821: IDW Prüfungsstandard: Grundsätze ordnungsmäßiger Prüfung oder prüferischer Durchsicht von Berichten im Bereich der Nachhaltigkeit</td>
</tr>
<tr>
<td>IDW AsS 821: IDW Assurance Standard: Generally Accepted Assurance Principles for the Audit or Review of Reports on Sustainability Issues</td>
</tr>
<tr>
<td>ISAE3000</td>
</tr>
<tr>
<td>ISAE 3410</td>
</tr>
<tr>
<td>ISO14064-3</td>
</tr>
<tr>
<td>Japan voluntary emissions trading scheme (JVETS) guideline for verification</td>
</tr>
<tr>
<td>Korean GHG and energy target management system</td>
</tr>
<tr>
<td>NMX-SAA-14064-3: Instituto Mexicano de Normalización y Certificación A.C</td>
</tr>
<tr>
<td>RevR6 procedure for assurance of sustainability report</td>
</tr>
<tr>
<td>Saitama Prefecture Target-Setting Emissions Trading Program</td>
</tr>
<tr>
<td>SGS Sustainability Report Assurance</td>
</tr>
<tr>
<td>Spanish Institute of Registered Auditors (ICJCE)</td>
</tr>
<tr>
<td>Standard 3810N Assurance engagements relating to sustainability reports of the Royal Netherlands Institute of Registered Accountants</td>
</tr>
<tr>
<td>State of Israel Ministry of Environmental Protection, Verification of GHG and emissions reduction in Israel Guidance Document</td>
</tr>
<tr>
<td>Swiss Climate CO2 Label for Businesses</td>
</tr>
<tr>
<td>The Climate Registry's General Verification Protocol</td>
</tr>
<tr>
<td>Tokyo cap-and-trade guideline for verification</td>
</tr>
<tr>
<td>Verification as part of Carbon Trust standard certification</td>
</tr>
<tr>
<td>Other, please specify</td>
</tr>
</tbody>
</table>

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

**Question dependencies**
This question only appears if you select "Third-party verification or assurance process in place" for Scope 2 emissions in response to C10.1.

**Change from last year**
Minor change

**Response options**
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.
<table>
<thead>
<tr>
<th>Scope 2 approach</th>
<th>Verification or assurance cycle in place</th>
<th>Status in the current reporting year</th>
<th>Type of verification or assurance</th>
<th>Attach the statement</th>
<th>Page/section reference</th>
<th>Relevant standard</th>
<th>Proportion of reported emissions verified (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Attach your document here</td>
<td>Select from drop-down options below</td>
<td>Numerical field (enter a number from 0-100 using no decimals or commas)</td>
<td></td>
</tr>
<tr>
<td>Scope 2 location-based</td>
<td>Annual process</td>
<td>No verification or assurance of current reporting year</td>
<td>Not applicable</td>
<td>Trust field (maximum 500 characters)</td>
<td>Numerical field (enter a number from 0-100 using no decimals or commas)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope 2 market-based</td>
<td>Biennial process</td>
<td>Underway but not complete for current reporting year – first year it has taken place</td>
<td>Limited assurance</td>
<td>Numerical field (enter a number from 0-100 using no decimals or commas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Triennial process</td>
<td>Underway but not complete for reporting year – previous statement of process attached</td>
<td>Moderate assurance</td>
<td>Numerical field (enter a number from 0-100 using no decimals or commas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete</td>
<td>Reasonable assurance</td>
<td>Numerical field (enter a number from 0-100 using no decimals or commas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>High assurance</td>
<td>Numerical field (enter a number from 0-100 using no decimals or commas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Third party verification/assurance underway</td>
<td>Numerical field (enter a number from 0-100 using no decimals or commas)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Relevant standard drop-down options:**

- AA1000AS
- Advanced technologies promotion Subsidy Scheme with Emission reduction Target (ASSET)
- Airport Carbon Accreditation (ACA) des Airports Council International Europe
- Alberta Technology Innovation and Emissions Reduction (TIER)
- AASB3000
- Attestation standards established by AICPA (AT105)
- Australian National GHG emission regulation (NGER)
- California Mandatory GHG Reporting Regulations (CARB)
- Canadian Institute of Chartered Accountants (CICA) Handbook: Assurance Section 5025
- Certified emissions measurement and reduction scheme (CEMARS)
- Chicago Climate Exchange (CCX) verification standard
- Compagnie Nationale des Commissaires aux Comptes (CNCC)
- Corporate GHG verification guidelines from ERT
- DNV Verisustain Protocol/Verification Protocol for Sustainability Reporting
- Earthcheck Certification
- ERM GHG Performance Data Assurance Methodology
- European Union Emissions Trading System (EU ETS)
- IDW PS 821: IDW Prüfungsstandard: Grundsätze ordnungsmäßiger Prüfung oder prüferischer Durchsicht von Berichten im Bereich der Nachhaltigkeit
- IDW AsS 821: IDW Assurance Standard: Generally Accepted Assurance Principles for the Audit or Review of Reports on Sustainability Issues
- ISAE3000
- ISAE 3410
- ISO14064-3
- Japan voluntary emissions trading scheme (JVETS) guideline for verification
- Korean GHG and energy target management system
- NMX-SAA-14064-3-IMNC: Instituto Mexicano de Normalización y Certificación A.C
- RevR6 procedure for assurance of sustainability report
- Saitama Prefecture Target-Setting Emissions Trading Program
- SGS Sustainability Report Assurance
- Spanish Institute of Registered Auditors (ICJCE)
- Standard 3810N Assurance engagements relating to sustainability reports of the Royal Netherlands Institute of Registered Accountants
- State of Israel Ministry of Environmental Protection, Verification of GHG and emissions reduction in Israel Guidance Document
- Swiss Climate CO₂ Label for Businesses
- The Climate Registry's General Verification Protocol
- Tokyo cap-and-trade guideline for verification
- Verification as part of Carbon Trust standard certification
- Other, please specify
(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

**Question dependencies**
This question only appears if you select “Third-party verification or assurance process in place” for Scope 3 emissions in response to C10.1.

**Change from last year**
Minor change

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Scope 3 category</th>
<th>Verification or assurance cycle in place</th>
<th>Status in the current reporting year</th>
<th>Type of verification or assurance</th>
<th>Attach the statement</th>
<th>Page/section reference</th>
<th>Relevant standard</th>
<th>Proportion of reported emissions verified (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select all that apply:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Scope 3: Purchased goods and services</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Scope 3: Capital goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Scope 3: Upstream transportation and distribution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Scope 3: Waste generated in operations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Scope 3: Business travel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Scope 3: Employee commuting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Scope 3: Upstream leased assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Scope 3: Investments</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Scope 3: Downstream transportation and distribution</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Scope 3: Processing of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Scope 3: Use of sold products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Scope 3: Downstream leased assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Scope 3: Franchises</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. Annual process</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17. Biennial process</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18. Triennial process</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19. No verification or assurance of current reporting year</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20. Underway but not complete for current reporting year – first year it has taken place</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21. Underway but not complete for reporting year – previous statement of process attached</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22. Complete</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23. Not applicable</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24. Limited assurance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25. Moderate assurance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26. Reasonable assurance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27. High assurance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28. Third party verification/assurance underway</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

**Relevant standard drop-down options:**

- AA1000AS
- Advanced technologies promotion Subsidy Scheme with Emission reduction Target (ASSET)
- Airport Carbon Accreditation (ACA) des Airports Council International Europe
- Alberta Technology Innovation and Emissions Reduction (TIER)
- ASAE3000
- Attestation standards established by AICPA (AT105)
- Australian National GHG emission regulation (NGER)
- California Mandatory GHG Reporting Regulations (CARB)
- Canadian Institute of Chartered Accountants (CICA) Handbook: Assurance Section 5025
- Certified emissions measurement and reduction scheme (CEMARS)
- Chicago Climate Exchange (CCX) verification standard
- Compagnie Nationale des Commissaires aux Comptes (CNCC)
- Corporate GHG verification guidelines from ERT
- DNV Verisustain Protocol/ Verification Protocol for Sustainability Reporting
- Earthcheck Certification
- ERM GHG Performance Data Assurance Methodology
- European Union Emissions Trading System (EU ETS)
Other verified data

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?

Change from last year
No change

Response options
Select one of the following options:
- Yes
- In progress
- No, but we are actively considering verifying within the next two years
- No, we are waiting for more mature verification standards and/or processes
- No, we do not verify any other climate-related information reported in our CDP disclosure

(C10.2a) Which data points within your CDP disclosure have been verified, and which verification standards were used?

Question dependencies
This question only appears if you select "Yes" in response to C10.2.

Change from last year
No change

Connection to other frameworks
SDG

Goal 7: Affordable and clean energy

Response options
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.
Disclosure module verification relates to Data verified Verification standard Please explain

<table>
<thead>
<tr>
<th>Select from:</th>
<th>Data verified</th>
<th>Verification standard</th>
<th>Please explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>C0. Introduction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C1. Governance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2. Risks and opportunities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C3. Business Strategy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C4. Targets and performance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C5. Emissions performance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C6. Emissions data</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C7. Emissions breakdown</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C8. Energy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C9. Additional metrics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C11. Carbon pricing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C12. Engagement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C13. Other land management impacts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C14. Portfolio impact</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C16. Signoff</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SC. Supply chain module</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select from:
- Year on year change in emissions (Scope 1)
- Year on year change in emissions (Scope 2)
- Year on year change in emissions (Scope 1 and 2)
- Year on year change in emissions (Scope 3)
- Year on year emissions intensity figure
- Financial or other base year data points used to set a science-based target
- Progress against emissions reduction target
- Change in Scope 1 emissions against a base year (not target related)
- Change in Scope 2 emissions against a base year (not target related)
- Change in Scope 3 emissions against a base year (not target related)
- Product footprint verification
- Emissions reduction activities
- Renewable energy products
- Energy consumption
- Don't know
- Other, please specify

Text field [maximum 1,500 characters] Text field [maximum 1,500 characters]
(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Change from last year
No change

Connection to other frameworks

SDG

Goal 13: Climate action

Response options
Select one of the following options:
  - Yes
  - No, but we anticipate being regulated in the next three years
  - No, and we do not anticipate being regulated in the next three years

(C11.1a) Select the carbon pricing regulation(s) which impacts your operations.

Question dependencies
This question only appears if you select “Yes” in response to C11.1.

Change from last year
Minor change

Connection to other frameworks

SDG

Goal 13: Climate action

Response options
Select all that apply from the following options:
  - Alberta TIER - ETS
  - Argentina carbon tax
  - Australia ERF Safeguard Mechanism – ETS
  - Baja California carbon tax
  - BC carbon tax
  - BC GGIRCA - ETS
  - Beijing pilot ETS
  - California CaT – ETS
  - Canada federal fuel charge
  - Canada federal Output Based Pricing System (OBPS) - ETS
  - Chile carbon tax
  - China national ETS
  - Chongqing pilot ETS
  - Colombia carbon tax
  - Denmark carbon tax
  - Estonia carbon tax
  - EU ETS
Finland carbon tax
France carbon tax
Fujian pilot ETS
Germany ETS
Guangdong pilot ETS
Hubei pilot ETS
Iceland carbon tax
Ireland carbon tax
Japan carbon tax
Kazakhstan ETS
Korea ETS
Latvia carbon tax
Liechtenstein carbon tax
Luxembourg carbon tax
Massachusetts state ETS
Mexico carbon tax
Mexico pilot ETS
Netherlands carbon tax
New Brunswick carbon tax
New Brunswick ETS
New Zealand ETS
Newfoundland and Labrador carbon tax
Newfoundland and Labrador PSS - ETS
Northwest Territories carbon tax
Norway carbon tax
Nova Scotia CaT - ETS
Poland carbon tax
Portugal carbon tax
Prince Edward Island carbon tax
Québec CaT - ETS
RGGI - ETS
Saitama ETS
Saskatchewan OBPS - ETS
Shanghai pilot ETS
Shenzhen pilot ETS
Singapore carbon tax
Slovenia carbon tax
South Africa carbon tax
Spain carbon tax
Sweden carbon tax
Switzerland carbon tax Switzerland ETS
Tamaulipas carbon tax
Tianjin pilot ETS
Tokyo CaT - ETS
UK carbon price floor
UK ETS
Ukraine carbon tax
Washington CAR – ETS
Zacatecas carbon tax
Other carbon tax, please specify
Other ETS, please specify

(C11.1b) Complete the following table for each of the emissions trading schemes you are regulated by.

Question dependencies
This question only appears if you select an emissions trading option in response to C11.1a.

**Change from last year**
Minor change

**Connection to other frameworks**

**SDG**

**Goal 13: Climate action**

**Response options**
Please complete the following table.

<table>
<thead>
<tr>
<th>System name</th>
<th>% of Scope 1 emissions covered by the ETS</th>
<th>% of Scope 2 emissions covered by the ETS</th>
<th>Period start date</th>
<th>Period end date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed table rows are populated by selection in C11.1a</td>
<td>Numerical field (enter a number from 0-100 using a maximum of 2 decimal places and no commas)</td>
<td>Numerical field (enter a number from 0-100 using a maximum of 2 decimal places and no commas)</td>
<td>Enter the start date that applies to the data in the row. Use the calendar button or enter dates manually in the format DD/MM/YYYY. Please note that the period reported should overlap with the reporting year.</td>
<td>Enter the finish date that applies to the data in the row. Use the calendar button or enter dates manually in the format DD/MM/YYYY. Please note that the period reported should overlap with the reporting year.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Allowances allocated</th>
<th>Allowances purchased</th>
<th>Verified Scope 1 emissions in metric tons CO₂e</th>
<th>Verified Scope 2 emissions in metric tons CO₂e</th>
<th>Details of ownership</th>
<th>Comment</th>
</tr>
</thead>
</table>
| Numerical field (enter a number from 0-99,999,999,999 using a maximum of 2 decimal places and no commas) | Numerical field (enter a number from 0-99,999,999,999 using a maximum of 2 decimal places and no commas) | Numerical field (enter a number from 0-99,999,999,999 using a maximum of 2 decimal places and no commas) | Numerical field (enter a number from 0-99,999,999,999 using a maximum of 2 decimal places and no commas) | Select from:  
- Facilities we own and operate  
- Facilities we own but do not operate  
- Facilities we operate but do not own  
- Other, please specify | Text field (maximum 2,400 characters) |

(C11.1c) Complete the following table for each of the tax systems you are regulated by.

**Question dependencies**
This question only appears if you select a carbon tax system in response to C11.1a.

**Change from last year**
Modified guidance

**Connection to other frameworks**

**SDG**

**Goal 13: Climate action**

**Response options**
Please complete the following table.

<table>
<thead>
<tr>
<th>Tax system</th>
<th>Period start date</th>
<th>Period end date</th>
<th>% of total Scope 1 emissions covered by tax</th>
<th>Total cost of tax paid</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed table rows are populated by selection in C11.1a</td>
<td>Enter the start date that applies to the data in the row. Use the calendar button or enter dates manually in the format DD/MM/YYYY. Please note that the period reported should overlap with the reporting year.</td>
<td>Enter the finish date that applies to the data in the row. Use the calendar button or enter dates manually in the format DD/MM/YYYY. Please note that the period reported should overlap with the reporting year.</td>
<td>Numerical field (enter a number from 0-100 using a maximum of 2 decimal places and no commas)</td>
<td>Numerical field (enter a number from 0-99,999,999,999,999 using a maximum of 2 decimal places and no commas)</td>
<td>Text field (maximum 2,400 characters)</td>
</tr>
</tbody>
</table>

(C11.1d) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

**Question dependencies**
This question only appears if you select “Yes” or “No, but we anticipate being regulated in the next three years” in response to C11.1

**Change from last year**
No change

**Connection to other frameworks**

**SDG**
Goal 13: Climate action

Response options
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

Project-based carbon credits

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?

Change from last year
No change

Connection to other frameworks
SDG

Goal 13: Climate action

Response options
Select one of the following options:
- Yes
- No

(C11.2a) Provide details of the project-based carbon credits originated or purchased by your organization in the reporting period.

Question dependencies
This question only appears if you select “Yes” in response to C11.2.

Change from last year
Modified guidance

Connection to other frameworks
SDG

Goal 13: Climate action

NZAM (FS only)

Commitment 4

Response options
Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.
<table>
<thead>
<tr>
<th>Credit origination or credit purchase</th>
<th>Project type</th>
<th>Project identification</th>
<th>Verified to which standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Select from:</td>
</tr>
<tr>
<td>Credit origination</td>
<td>Agriculture</td>
<td></td>
<td>CDM (Clean Development Mechanism)</td>
</tr>
<tr>
<td>Credit purchase</td>
<td>Biomass energy</td>
<td></td>
<td>JI (Joint Implementation)</td>
</tr>
<tr>
<td></td>
<td>Cement</td>
<td></td>
<td>Gold Standard</td>
</tr>
<tr>
<td></td>
<td>CO₂ usage</td>
<td></td>
<td>VCS (Verified Carbon Standard)</td>
</tr>
<tr>
<td></td>
<td>Coal minised CH₄</td>
<td></td>
<td>VER+ (TÜV SÜD standard)</td>
</tr>
<tr>
<td></td>
<td>Energy distribution</td>
<td></td>
<td>CAR (The Climate Action Reserve)</td>
</tr>
<tr>
<td></td>
<td>Energy efficiency: households</td>
<td></td>
<td>ACR (American Carbon Registry)</td>
</tr>
<tr>
<td></td>
<td>Energy efficiency: industry</td>
<td></td>
<td>CCBS (developed by the Climate, Community and Biodiversity Alliance, CCBA)</td>
</tr>
<tr>
<td></td>
<td>Energy efficiency: own generation</td>
<td></td>
<td>Plan Vivo</td>
</tr>
<tr>
<td></td>
<td>Energy efficiency: service</td>
<td></td>
<td>Emissions Reduction Fund of the Australian Government</td>
</tr>
<tr>
<td></td>
<td>Energy efficiency: supply side</td>
<td></td>
<td>Not yet verified</td>
</tr>
<tr>
<td></td>
<td>Forests</td>
<td></td>
<td>Other, please specify</td>
</tr>
<tr>
<td></td>
<td>Fossil fuel switch</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fugitive</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Geothermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HFCs</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hydro</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Landfill gas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Methane avoidance</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>N₂O</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HFCs and SF₆</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Solar</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tidal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transport</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wind</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of credits (metric tons CO₂e)</th>
<th>Number of credits (metric tons CO₂e): Risk adjusted volume</th>
<th>Credits cancelled</th>
<th>Purpose, e.g. compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 2 decimal places and no commas]</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 2 decimal places and no commas]</td>
<td>Select from:</td>
<td>Select from:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yes</td>
<td>Compliance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No</td>
<td>Voluntary Offsetting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not relevant</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other, please specify</td>
<td>Other, please specify</td>
</tr>
</tbody>
</table>

[Add Row]

Internal price on carbon

(C11.3) Does your organization use an internal price on carbon?

Change from last year

No change

Response options
Select one of the following options:

- Yes
- No, but we anticipate doing so in the next two years
- No, and we don’t anticipate doing so in the next two years

(C11.3a) Provide details of how your organization uses an internal price on carbon.

Question dependencies
This question only appears if you select “Yes” in response to C11.3.

Change from last year
### Connection to other frameworks

#### 2018 RobecoSAM Corporate Sustainability Assessment (DJSI)

Internal carbon pricing

**Response options**

Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Objective for implementing an internal carbon price</th>
<th>GHG Scope</th>
<th>Application</th>
<th>Actual price(s) used (Currency / metric ton)</th>
<th>Variance of price(s) used</th>
<th>Type of internal carbon price</th>
<th>Impact &amp; implication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select all that apply:</td>
<td>Select all that apply:</td>
<td>Corporate structure that price is applied to (i.e. business units, corporate divisions, facilities)</td>
<td>Numerical field [enter a number from 0-99,999,999,999 using a maximum of 2 decimal places and no commas]</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Select all that apply:</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td>Navigate GHG regulations</td>
<td>Scope 1</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Shadow price</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stakeholder expectations</td>
<td>Scope 2</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Internal fee</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change internal behavior</td>
<td>Scope 3</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Internal trading</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive energy efficiency</td>
<td>Other, please specify</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Implicit price</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive low-carbon investment</td>
<td>Other, please specify</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Offsets</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stress test investments</td>
<td>Other, please specify</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Identify and seize low-carbon opportunities</td>
<td>Other, please specify</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplier engagement</td>
<td>Other, please specify</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td>Text field [maximum 1,000 characters]</td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]
**Value chain engagement**

(C12.1) Do you engage with your value chain on climate-related issues?

- **Change from last year**
  - Minor change

- **Connection to other frameworks**

  - **SDG**

  Goal 12: Responsible consumption and production

- **Response options**
  - Select all that apply from the following options:
    - Yes, our suppliers
    - Yes, our customers/clients
    - Yes, our investees [Financial services only]
    - Yes, other partners in the value chain
    - No, we do not engage

(C12.1a) Provide details of your climate-related supplier engagement strategy.

- **Question dependencies**
  - This question only appears if you select “Yes, our suppliers” in response to C12.1.

- **Change from last year**
  - Modified question

- **Connection to other frameworks**

  - **SDG**

  Goal 12: Responsible consumption and production

- **Response options**
  - Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.
(C12.1b) Give details of your climate-related engagement strategy with your customers.

**Question dependencies**
This question only appears if you select "Yes, our customers/clients" in response to C12.1.

**Change from last year**
Modified guidance. Removed question for FS.

**Connection to other frameworks**
SDG

**Goal 12: Responsible consumption and production**

**Response options**
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Type of engagement</th>
<th>Details of engagement</th>
<th>% of suppliers by number</th>
<th>% total procurement spend (direct and indirect)</th>
<th>% of supplier-related Scope 3 emissions as reported in C6.5</th>
<th>Rationale for the coverage of your engagement</th>
<th>Impact of engagement, including measures of success</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select all that apply: Information collection (understanding supplier behavior)</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Text field [maximum 2,400 characters]</td>
<td>Text field [maximum 2,400 characters]</td>
</tr>
<tr>
<td></td>
<td>Information collection (understanding supplier behavior)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Collect climate change and carbon information at least annually from suppliers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other, please specify Engagement &amp; incentivization (changing supplier behavior)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Run an engagement campaign to educate suppliers about climate change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Provide training, support, and best practices on how to make credible renewable energy usage claims</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Directly work with suppliers on exploring corporate renewable energy sourcing mechanisms</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Climate change performance is featured in supplier awards scheme</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Offer financial incentives for suppliers who reduce your operational emissions (Scopes 1 &amp; 2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Offer financial incentives for suppliers who reduce your downstream emissions (Scopes 3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Offer financial incentives for suppliers who reduce your upstream emissions (Scopes 3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Offer financial incentives for suppliers who increase the share of renewable energy in their total energy mix</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other, please specify Innovation &amp; collaboration (changing markets)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Run a campaign to encourage innovation to reduce climate impacts on products and services</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Collaborate with suppliers on innovative business models to source renewable energy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Page 92 of 114 @cdp | www.cdp.net
[Add Row]

Details of engagement drop-down options:

Education/information sharing

Select one of the following options:

- Run an engagement campaign to educate customers about your climate change performance and strategy
- Run an engagement campaign to educate customers about the climate change impacts of (using) your products, goods, and/or services
- Share information about your products and relevant certification schemes (i.e. Energy STAR)

Collaboration & Innovation

Select one of the following options:

- Run a campaign to encourage innovation to reduce climate change impacts
- Other, please specify

(C12.1d) Give details of your climate-related engagement strategy with other partners in the value chain.

Question dependencies
This question only appears if you select “Yes, other partners in the value chain” in response to C12.1.

Change from last year
No change

Connection to other frameworks

SDG

Goal 12: Responsible consumption and production

NZAM (FS only)

Commitment 8

Response options
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

(C12.1e) Why do you not engage with any elements of your value chain on climate-related issues, and what are your plans to do so in the future?

Question dependencies
This question only appears if you select “No, we do not engage” in response to C12.1.

Change from last year
No change

Connection to other frameworks

SDG
Goal 12: Responsible consumption and production

Response options
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

Climate-related requirements

(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization’s purchasing process?

Change from last year
New question

Connection to other frameworks
SDG

Goal 12: Responsible consumption and production

Response options
Select one of the following options:
- Yes, climate-related requirements are included in our supplier contracts
- Yes, suppliers have to meet climate-related requirements, but they are not included in our supplier contracts
- No, but we plan to introduce climate-related requirements within the next two years
- No, and we do not plan to introduce climate-related requirements within the next two years

(C12.2a) Provide details of the climate-related requirements that suppliers have to meet as part of your organization’s purchasing process and the compliance mechanisms in place.

Question dependencies
This question only appears if any “Yes…” option is selected in response to C12.2.

Change from last year
New question

Connection to other frameworks
SDG

Goal 12: Responsible consumption and production

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Climate-related requirement</th>
<th>Description of this climate related requirement</th>
<th>% suppliers by procurement spend that have to comply with this climate-related requirement</th>
<th>% suppliers by procurement spend in compliance with this climate-related requirement</th>
<th>Mechanisms for monitoring compliance with this climate-related requirement</th>
<th>Response to supplier non-compliance with this climate-related requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from drop-down options below</td>
<td>Text field [maximum 1,500 characters]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]</td>
<td>Select all that apply: • Certification • Supplier self-assessment • First-party verification • Second-party verification • Off-site third-party verification • On-site third-party verification • Grievance mechanism/Whistleblowing hotline • Supplier scorecard or rating • No mechanism for monitoring compliance • Other, please specify</td>
<td>Select from: • Exclude • No response • Retain and engage • Suspend and engage • Other, please specify</td>
</tr>
</tbody>
</table>
Climate-related requirement drop-down options:
- Complying with regulatory requirements
- Climate-related disclosure through a public platform
- Climate-related disclosure through a non-public platform
- Fugitive emissions reductions
- Implementation of emissions reduction initiatives
- Measuring product-level emissions
- Purchasing renewable energy
- Setting a low-carbon energy target
- Meeting minimum emissions intensity standards for the supplied product or service
- Product Carbon Footprint (PCF) reductions
- Setting a science-based emissions reduction target
- Setting a renewable energy target
- Waste reduction and material circularity
- Other, please specify

Question Question C-AC12.2/C-FB12.2/C-PF12.2 only applies to organizations with activities in the following sectors:
- Agricultural commodities
- Food, beverage & tobacco
- Paper & forestry

Public policy engagement

(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?

Change from last year
Modified question
Connection other frameworks
NZAM (FS only)

Commitment 9

Response options
Please complete the following table.

<table>
<thead>
<tr>
<th>Direct or indirect engagement that could influence policy, law, or regulation that may impact the climate</th>
<th>Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?</th>
<th>Attach commitment or position statement(s)</th>
<th>Describe the process(es) your organization has in place to ensure that your engagement activities are consistent with your overall climate change strategy</th>
<th>Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate</th>
<th>Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select all that apply:</td>
<td>Select from:</td>
<td>[Attachment(s)]</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
</tr>
<tr>
<td>Yes, we engage directly with policy makers</td>
<td>Yes</td>
<td></td>
<td>Important but not an immediate priority</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, we engage indirectly through trade associations</td>
<td>No, but we plan to have one in the next two years</td>
<td></td>
<td>Judged to be unimportant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, we engage indirectly by funding other organizations whose activities may influence policy, law, or regulation that may significantly impact the climate</td>
<td>No, and we do not plan to have one in the next two years</td>
<td></td>
<td>Lack of internal resources</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
<td></td>
<td>No instruction from management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td></td>
<td></td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C12.3a) On what policy, law, or regulation that may impact the climate has your organization been engaging directly with policy makers in the reporting year?

Question dependencies
This question only appears if you select "Direct engagement with policy makers" in response to C12.3.

Change from last year
Modified question

Connection to other frameworks

NZAM (FS only)

Commitment 9

Response options

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Focus of policy, law, or regulation that may impact the climate</th>
<th>Specify the policy, law, or regulation on which your organization is engaging with policy makers</th>
<th>Policy, law, or regulation geographic coverage</th>
<th>Country/region the policy, law, or regulation applies to</th>
<th>Your organization’s position on the policy, law, or regulation</th>
<th>Description of engagement with policy makers</th>
<th>Details of exceptions (if applicable) and your organization’s proposed alternative approach to the policy, law or regulation</th>
<th>Have you evaluated whether your organization’s engagement is aligned with the goals of the Paris Agreement?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select all that apply from the drop-down below</td>
<td>Text field [maximum 1,500 characters]</td>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Text field [maximum 2,500 characters]</td>
<td></td>
<td>Select all that apply:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Global</td>
<td></td>
<td>Oppose</td>
<td>Yes, we have evaluated, and it is aligned</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Regional</td>
<td></td>
<td>Neutral</td>
<td>Yes, we have evaluated, and it is not aligned</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>National</td>
<td></td>
<td>Support with no exceptions</td>
<td>No, we have not evaluated</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sub-national</td>
<td></td>
<td>Support with minor exceptions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unknown</td>
<td></td>
<td>Support with major exceptions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other, please specify</td>
<td></td>
<td>Undecided</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

Focus of policy, law or regulation that may impact the climate drop-down options (column 1)

- Adaptation and/or resilience to climate change
- Carbon tax
- Circular economy
- Climate-related targets
- Electricity grid access for renewables
- Emissions trading schemes
- Energy attribute certificate systems
- Extended Producer Responsibility (EPR)
- Food security
- Green electricity tariffs
- International trade agreement
- Low-carbon, non-renewable energy generation
- Mandatory climate-related reporting
- Methane emissions
- Minimum energy efficiency requirements
- New fossil fuel energy generation capacity
- Renewable energy generation
- Subsidies for fossil fuel exploration and/or extraction
- Subsidies for renewable energy projects
- Subsidies on products
- Sustainable finance
- Taxes on products
- Traceability requirements
- Transparency requirements
- Verification and audits
- Other, please specify

(C12.3b) Provide details of the trade associations your organization engages with which are likely to take a position on any policy, law or regulation that may impact the climate.

Question dependencies
Change from last year
Modified question (2021 C12.3c)

Response options
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

| Trade association | Is your organization's position on climate change consistent with theirs? | Has your organization influenced, or is your organization attempting to influence their position? | State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable) | Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional) | Describe the aim of your organization's funding | Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?
|
|-------------------|-------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------|
| Select from drop-down options in table below | Select from:  
  - Consistent  
  - Inconsistent  
  - Mixed  
  - Unknown | Select from:  
  - We have already influenced them to change their position  
  - We are attempting to influence them to change their position  
  - We publicly promote their current position  
  - We publicly oppose their current position  
  - We are planning to terminate our membership within the next two years  
  - We are not attempting to influence their position | Text field [maximum 2,500 characters] | Numerical field [enter a number from 0 to 999,999,999,999,999, using up to 2 decimal places] | Text field [maximum 2,500 characters] | Select from:  
  - Yes, we have evaluated, and it is aligned  
  - Yes, we have evaluated, and it is not aligned  
  - No, we have not evaluated |

[Add Row]

Trade association drop-down options (column 1)
- Advanced Energy Economy (AEE)
- Alliance of Automobile Manufacturers
- American Chemistry Council
- American Fuel & Petrochemical Manufacturers
- American Legislative Exchange Council
- American Petroleum Institute
- American Wind Energy Association (AWEA)
- Business Council of Australia
- Business Roundtable
- BusinessEurope
- Canadian Association of Petroleum Producers
- CEMBUREAU: The European Cement Association
- Confederation of British Industry (CBI)
- Confederation of Indian Industries (CII)
- Consumer Goods Forum (CGF)
- Cross Sector Biodiversity Initiative (CSBI)
- Edison Electric Institute (EEI)
- Eurelectric
- Eurometaux
- European Automobile Manufacturers Association
- European Chemical Industry Council (CEFIC)
- European Roundtable of Industrialists (ERT)
- European Steel Association (Eurofer)
- Federation of French Industry (MEDEF)
- Federation of German Industries (BDI)
- Federation of Indian Chambers of Commerce & Industry (FICCI)
- FuelsEurope
- German Automotive Association (VDA)
- German Chemical Industry Association (VCI)
- Global Off-Grid Lighting Association (GOGLA)
- Global Wind Energy Council (GWEC)
- International Air Transport Association
- International Association of Oil and Gas Producers (IOGP)
- International Chamber of Commerce (ICC)
- International Chamber of Shipping
- International Council on Mining & Metals (ICMM)
- Japan Business Federation (Keidanren)
- Japan Chemical Industry Association/日本化学工業協会
- Minerals Council of Australia
- National Association of Manufacturers
- National Mining Association
- Portland Cement Association
- Solar Energy Industries Association (SEIA)
- SolarPower Europe
- Sustainable Agriculture Initiative Platform (SAIP)
- The Japan Electrical Manufacturers’ Association (JEMA)
- Tropical Forest Alliance
- US Chamber of Commerce
- WindEurope
- World Steel Association
- Other, please specify

(C12.3c) Provide details of the funding you provided to other organizations in the reporting year whose activities could influence policy, law, or regulation that may impact the climate.

**Question dependencies**
This question only appears if you select “Yes, we engage indirectly by funding other organizations whose activities may influence policy, law or regulation that may impact the climate” in response to C12.3.

**Change from last year**
Modified question (2021 C12.3e)

**Response options**
Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Type of organization</th>
<th>State the organization to which you provided funding</th>
<th>Funding figure your organization provided to this organization in the reporting year (currency as selected in C0.4)</th>
<th>Describe the aim of this funding and how it could influence policy, law or regulation that may impact the climate</th>
<th>Have you evaluated whether this funding is aligned with the goals of the Paris Agreement?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td></td>
<td></td>
<td></td>
<td>Select from:</td>
</tr>
<tr>
<td>- Governmental institution</td>
<td></td>
<td></td>
<td></td>
<td>Yes, we have evaluated, and it is aligned</td>
</tr>
<tr>
<td>- International Governmental Organization (IGO)</td>
<td></td>
<td></td>
<td></td>
<td>Yes, we have evaluated, and it is not aligned</td>
</tr>
<tr>
<td>- Non-Governmental Organization (NGO) or charitable organization</td>
<td></td>
<td></td>
<td></td>
<td>No, we have not evaluated</td>
</tr>
<tr>
<td>- Political party</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Private company</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Publicly-listed company</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Research organization</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Start-up company</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- State-Owned Enterprise (SOE)/Government-Owned Corporation (GOC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Trust or foundation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- University or other educational institution</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add row]
(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

**Change from last year**
Modified guidance

**Connection to other frameworks**

Goal 12: Responsible consumption and production

**Response options**

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Publication</th>
<th>Status</th>
<th>Attach the document</th>
<th>Page/Section reference</th>
<th>Content elements</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Attach your document here.</td>
<td>Text field (maximum 500 characters)</td>
<td>Select all that apply:</td>
<td>Test field (maximum 2,400 characters)</td>
</tr>
<tr>
<td>• In mainstream reports</td>
<td>• Complete</td>
<td></td>
<td></td>
<td>• Governance</td>
<td></td>
</tr>
<tr>
<td>• In mainstream reports, in line with the CDSB framework (as amended to incorporate the TCFD recommendations)</td>
<td>• Underway – previous year attached</td>
<td></td>
<td></td>
<td>• Strategy</td>
<td></td>
</tr>
<tr>
<td>• In mainstream reports, incorporating the TCFD recommendations</td>
<td>• Underway – this is our first year</td>
<td></td>
<td></td>
<td>• Risks &amp; Opportunities</td>
<td></td>
</tr>
<tr>
<td>• In other regulatory filings</td>
<td></td>
<td></td>
<td></td>
<td>• Emissions figures</td>
<td></td>
</tr>
<tr>
<td>• In voluntary communications</td>
<td></td>
<td></td>
<td></td>
<td>• Emission targets</td>
<td></td>
</tr>
<tr>
<td>• In voluntary sustainability report</td>
<td></td>
<td></td>
<td></td>
<td>• Other metrics</td>
<td></td>
</tr>
<tr>
<td>• No publications with information about our response to climate-related issues and GHG emissions performance</td>
<td></td>
<td></td>
<td></td>
<td>• Other, please specify</td>
<td></td>
</tr>
<tr>
<td>• Other, please specify</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]
Module C13 only applies to organizations with activities in the following sectors:

- Agricultural commodities
- Food, beverage & tobacco
- Paper & forestry
Module C14 only applies to organizations with activities in the Financial Services sector.
C15 Biodiversity

Biodiversity

(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related matters within your organization?

Change from last year
New question

Connection to other frameworks
SDG

Goal 15: Life on land

Response options
Please complete the following table:

(*column/row appearance is dependent on selections in this or other questions)

<table>
<thead>
<tr>
<th>Board-level oversight and/or executive management-level responsibility for biodiversity-related issues</th>
<th>Description of oversight and objectives relating to biodiversity*</th>
<th>Scope of board-level oversight (IF Only)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Select all that apply:</td>
</tr>
<tr>
<td>● Yes, both board-level oversight and executive management-level responsibility</td>
<td></td>
<td>● Risks and opportunities to our own operations</td>
</tr>
<tr>
<td>● Yes, board-level oversight</td>
<td></td>
<td>● Risks and opportunities to our bank lending activities</td>
</tr>
<tr>
<td>● Yes, executive management-level responsibility</td>
<td></td>
<td>● Risks and opportunities to our investment activities</td>
</tr>
<tr>
<td>● No, but we plan to have both within the next two years</td>
<td></td>
<td>● The impact of our own operations on biodiversity</td>
</tr>
<tr>
<td>● No, and we do not plan to have both within the next two years</td>
<td></td>
<td>● The impact of our bank lending activities on biodiversity</td>
</tr>
</tbody>
</table>

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

Change from last year
New question

Connection to other frameworks
SDG

Goal 12: Responsible consumption and production

Goal 13: Climate Action

Goal 15: Life on land

Response options
Please complete the following table:

(*column/row appearance is dependent on selections in this or other questions)
Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity

<table>
<thead>
<tr>
<th>Select from:</th>
<th>Biodiversity-related public commitments*</th>
<th>Initiatives endorsed*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, we have made public commitments and publicly endorsed initiatives related to biodiversity</td>
<td>Select all that apply:</td>
<td>Select all that apply:</td>
</tr>
<tr>
<td>Yes, we have made public commitments only</td>
<td>- Commitment to Net Positive Gain</td>
<td>- CBD - Global Biodiversity Framework</td>
</tr>
<tr>
<td>Yes, we have endorsed initiatives only</td>
<td>- Commitment to No Net Loss</td>
<td>- SDG</td>
</tr>
<tr>
<td>No, but we plan to do so within the next 2 years</td>
<td>- Adoption of the mitigation hierarchy approach</td>
<td>- CITES</td>
</tr>
<tr>
<td>No, and we do not plan to do so within the next 2 years</td>
<td>- Commitment to not explore or develop in legally designated protected areas</td>
<td>- F4B - Finance for Biodiversity</td>
</tr>
<tr>
<td></td>
<td>- Commitment to respect legally designated protected areas</td>
<td>- PBAF - Partnership for Biodiversity Accounting Financials [FS only]</td>
</tr>
<tr>
<td></td>
<td>- Commitment to avoidance of negative impacts on threatened and protected species</td>
<td>- Other, please specify</td>
</tr>
<tr>
<td></td>
<td>- Commitment to no conversion of High Conservation Value areas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Commitment to secure Free, Prior and Informed Consent (FPIC) of Indigenous Peoples</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Commitment to no trade of CITES listed species</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

(C15.3) Does your organization assess the impact of its value chain on biodiversity?

**Change from last year**

New question

**Connection to other frameworks**

**SDG**

Goal 12: Responsible consumption and production

**Response options**

Please complete the following table:

(*column/row appearance is dependent on selections in this or other questions)

<table>
<thead>
<tr>
<th>Does your organization assess the impact of its value chain on biodiversity?</th>
<th>Portfolio [FS only]*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select all that apply:</td>
</tr>
<tr>
<td>Yes, we assess impacts on biodiversity in both our upstream and downstream value chain</td>
<td>- Bank lending portfolio (Bank)</td>
</tr>
<tr>
<td>Yes, we assess impacts on biodiversity in our upstream value chain only</td>
<td>- Investing portfolio (Asset manager)</td>
</tr>
<tr>
<td>Yes, we assess impacts on biodiversity in our downstream value chain only</td>
<td>- Investing portfolio (Asset owner)</td>
</tr>
<tr>
<td>No, but we plan to assess biodiversity-related impacts within the next two years</td>
<td>- Insurance underwriting portfolio (Insurance company)</td>
</tr>
<tr>
<td>No, and we do not plan to assess biodiversity-related impacts within the next two years</td>
<td></td>
</tr>
</tbody>
</table>

(C15.4) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

**Change from last year**

New question

**Connection to other frameworks**

**SDG**

Goal 15: Life on Land

**Response options**

Please complete the following table:

(*column/row appearance is dependent on selections in this or other questions)
Have you taken any actions in the reporting period to progress your biodiversity-related commitments?

<table>
<thead>
<tr>
<th>Select from:</th>
<th>Type of action taken to progress biodiversity-related commitments*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, we are taking actions to progress our biodiversity-related commitments</td>
<td>Select all that apply:</td>
</tr>
<tr>
<td>No, we are not taking any actions to progress our biodiversity-related commitments</td>
<td>- Landwater protection</td>
</tr>
<tr>
<td>No, we are not taking any actions to progress our biodiversity-related commitments, but we plan to within the next two years</td>
<td>- Landwater management</td>
</tr>
<tr>
<td>No, and we do not plan to undertake any biodiversity-related actions</td>
<td>- Species management</td>
</tr>
</tbody>
</table>

(C15.5) Does your organization use biodiversity indicators to monitor performance across its activities?

<table>
<thead>
<tr>
<th>Does your organization use indicators to monitor biodiversity performance?</th>
<th>Indicators used to monitor biodiversity performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select all that apply:</td>
</tr>
<tr>
<td>Yes, we use indicators</td>
<td>- State and benefit indicators</td>
</tr>
<tr>
<td>No, we do not use indicators, but plan to within the next two years</td>
<td>- Pressure indicators</td>
</tr>
<tr>
<td>No</td>
<td>- Response indicators</td>
</tr>
<tr>
<td></td>
<td>- Other, please specify</td>
</tr>
</tbody>
</table>

(C15.6) Have you published information about your organization’s response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

<table>
<thead>
<tr>
<th>Report type</th>
<th>Content elements*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select all that apply:</td>
</tr>
<tr>
<td>In mainstream financial reports</td>
<td>- Content of biodiversity-related policies or commitments</td>
</tr>
<tr>
<td>In other regulatory filings</td>
<td>- Governance</td>
</tr>
<tr>
<td>In voluntary sustainability report or other voluntary communications</td>
<td>- Impacts on biodiversity</td>
</tr>
<tr>
<td>No publications</td>
<td>- Details on biodiversity indicators</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>- Influence on public policy and lobbying</td>
</tr>
<tr>
<td></td>
<td>- Risks and opportunities</td>
</tr>
<tr>
<td></td>
<td>- Biodiversity strategy</td>
</tr>
<tr>
<td></td>
<td>- Other, please specify</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attach the document and indicate where in the document the relevant biodiversity information is located*</th>
<th>Text field [256 characters]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Attach your document here</td>
</tr>
</tbody>
</table>

(*column/row appearance is dependent on selections in this or other questions)
C16 Signoff

Further information

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

Change from last year
No change

Response options
This is an open text question with a limit of 9,999 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

Signoff

(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.

Change from last year
No change (2021 C15.1)

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Job title</th>
<th>Corresponding job category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field (maximum 200 characters)</td>
<td>Select from:</td>
</tr>
<tr>
<td>Board chair</td>
<td>Board/Executive board</td>
</tr>
<tr>
<td>Director on board</td>
<td>Chief Executive Officer (CEO)</td>
</tr>
<tr>
<td>Chief Financial Officer (CFO)</td>
<td>Chief Operating Officer (COO)</td>
</tr>
<tr>
<td>Chief Procurement Officer (CPO)</td>
<td>Chief Risk Officer (CRO)</td>
</tr>
<tr>
<td>Chief Sustainability Officer (CSO)</td>
<td>Other C-Suite Officer</td>
</tr>
<tr>
<td>President</td>
<td>Business unit manager</td>
</tr>
<tr>
<td>Energy manager</td>
<td>Environmental, health and safety manager</td>
</tr>
<tr>
<td>Environment/Sustainability manager</td>
<td>Facilities manager</td>
</tr>
<tr>
<td>Procurement manager</td>
<td>Process operation manager</td>
</tr>
<tr>
<td>Public affairs manager</td>
<td>Risk manager</td>
</tr>
<tr>
<td>Risk manager</td>
<td>Other, please specify</td>
</tr>
</tbody>
</table>
Supply chain introduction

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

Change from last year
No change

Response options
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

(SC0.1) What is your company’s annual revenue for the stated reporting period?

Change from last year
No change

Response options
Please complete the following table:

<table>
<thead>
<tr>
<th>Annual revenue</th>
<th>Numerical field (enter a number from 0-999,999,999,999,999 using a maximum of 2 decimal places)</th>
</tr>
</thead>
</table>

Allocating your emissions to your customers

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

Change from last year
Modified question

Connection to other frameworks

SDG

Goal 12: Responsible consumption and production

Response options
Please note that this table (for SC1.1) is designed so that only the customer that you select in column 1 (“Requesting member”) will be able to see the data relevant to them. If you enter an answer without selecting a requesting member, your answer will not be viewable at all.

Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Requesting member</th>
<th>Scope of emissions</th>
<th>Allocation level</th>
<th>Allocation level detail</th>
<th>Emissions in metric tons of CO2e</th>
<th>Uncertainty (± %)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Scope 1</td>
<td>Select from:</td>
<td>Text field [maximum 500 characters]</td>
<td>Numerical field [enter a number from 0-999,999,999,999 using a maximum of 4 decimal places]</td>
<td>Percentage field [enter a percentage from 0-999,999 using a maximum of 4 decimal places]</td>
</tr>
<tr>
<td>[Drop-down menu of requesting members]</td>
<td>Scope 2</td>
<td>Company wide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scope 3</td>
<td>Business unit (subsidiary company)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Facility</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Commodity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major sources of emissions</td>
<td>Verified*</td>
<td>Allocation method</td>
<td>Market value or quantity of goods/services supplied to the requesting member</td>
<td>Unit for market value or quantity of goods/services supplied</td>
<td>Please explain how you have identified the GHG source, including major limitations to this process and assumptions made</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
<td>-------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Text field (maximum 2,500 characters) | Select from:  
  - Yes  
  - No | Select from drop-down options below | Numerical field [enter a number from 0-999,999,999,999 using a maximum of 4 decimal places] | Select from drop-down options below | Text field (maximum 5,000 characters) |

**[Add Row]**

*Has the allocation of emissions to your customers been externally verified?*

**Description of allocation method drop-down options (column 9)**

Select one of the following options:

- Allocation not necessary due to type of primary data available
- Allocation not necessary as secondary data used
- Allocation based on mass of products purchased
- Allocation based on the volume of products purchased
- Allocation based on the energy content of products purchased
- Allocation based on the chemical content of products purchased
- Allocation based on the number of units purchased
- Allocation based on area
- Allocation based on another physical factor
- Allocation based on the market value of products purchased
- Other, please specify

**Unit for market value or quantity of goods/services supplied (column 11)**

Select one of the following options:

- Currency
- Kilograms
- Pounds (lb)
- Metric tons
- Gallons
- Liters
- Cubic feet
- Cubic meters
- Square meters
- Hectares
- Megawatt hours (MWh)
- Full time equivalents (FTE)
- Hours
- Kilometers
- Passenger kilometers
- Other, please specify

**(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).**

**Change from last year**

No change

**Response options**

This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

**(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?**

**Change from last year**

No change

**Response options**

Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.
### Allocation challenges

<table>
<thead>
<tr>
<th>Select from:</th>
<th>Please explain what would help you overcome these challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Diversity of product lines makes accurately accounting for each product/product line cost ineffective</td>
<td></td>
</tr>
<tr>
<td>- Customer base is too large and diverse to accurately track emissions to the customer level</td>
<td></td>
</tr>
<tr>
<td>- Managing the different emission factors of diverse and numerous geographies makes calculating total footprint difficult</td>
<td></td>
</tr>
<tr>
<td>- Doing so would require we disclose business sensitive/proprietary information</td>
<td></td>
</tr>
<tr>
<td>- We face no challenges</td>
<td></td>
</tr>
<tr>
<td>- Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

**Change from last year**
- No change

**Response options**
Select one of the following options:
- Yes
- No

(SC1.4a) Describe how you plan to develop your capabilities.

**Question dependencies**
This question only appears if you select "Yes" in response to SC1.4.

**Change from last year**
- No change

**Response options**
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

(SC1.4b) Explain why you do not plan to develop capabilities to allocate emissions to your customers.

**Question dependencies**
This question only appears if you select "No" in response to SC1.4.

**Change from last year**
- No change

**Response options**
This is an open text question with a limit of 5,000 characters.

Please note that when copying from another document into the ORS, formatting is not retained.

### Collaborative opportunities

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

**Change from last year**
- No change

**Connection to other frameworks**

SDG

Goal 7: Affordable and clean energy
Response options

Please note that this table (for SC2.1) is designed so that only the customer that you select in column 1 (“Requesting member”) will be able to see the data relevant to them. If you enter an answer without selecting a requesting member, your answer will not be viewable at all.

Please complete the following table. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Requesting member</th>
<th>Group type of project</th>
<th>Type of project</th>
<th>Emissions targeted</th>
<th>Estimated timeframe for carbon reductions to be realized</th>
<th>Estimated lifetime CO2e savings</th>
<th>Estimated payback</th>
<th>Details of proposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td></td>
<td>Select from:</td>
<td>Select from:</td>
<td>Numerical field [enter a range of 0-999,999,999,999 using a maximum of 2 decimal places]</td>
<td>Select from:</td>
<td>Text field [maximum 5,000 characters]</td>
</tr>
<tr>
<td>[Drop-down menu of requesting members]</td>
<td>[Drop-down menu of requesting members]</td>
<td>[Drop-down menu of requesting members]</td>
<td>[Drop-down menu of requesting members]</td>
<td>Actions to reduce customers' operational emissions (customer scope 1 &amp; 2)</td>
<td>0-1 year</td>
<td>Cost-saving neutral</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Actions that would reduce our own operational emissions (our scope 1 &amp; 2)</td>
<td>1-3 years</td>
<td>1-3 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Actions that would reduce our own supply chain emissions (our own scope 2)</td>
<td>3-5 years</td>
<td>3-5 years</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Actions that would reduce both our own and our customers' emissions</td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Other, please specify</td>
<td>Other, please specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

Type of project drop-down options (column 3)

Select one of the following options:

- Reduce Logistics Emissions
  - Consolidated logistics
  - Changing transportation mode (switch from aviation to rail)
  - Route optimization
  - Changed timing of logistics
  - Other, please specify

- Change to provision of goods and services
  - Reduced packaging weight
  - More online/virtual provision of services
  - Other, please specify

- New product or service
  - New product or service that reduces customers operational emissions
  - New product or service that reduces customers products/services operational emissions
  - New product or service that has a lower upstream emissions footprint
  - Other, please specify

- Relationship sustainability assessment
  - Assessing products or services life-cycle footprint to identify efficiencies
  - Sustainability audit of existing relationship
  - Aligning goals to feed into customers targets and ambitions
  - Other, please specify

- Change to supplier operations
  - Implementation of energy reduction projects
  - Increased levels of purchased renewable energy
  - Undertaking life-cycle assessment
  - Other, please specify

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to undertake organizational-level emissions reduction initiatives?

Change from last year
No change

Response options

Select one of the following options:

- Yes
- No

(SC2.2a) Specify the requesting member(s) that have driven organizational-level emissions reduction initiatives, and provide information on the initiatives.

Question dependencies

This question only appears if you select “Yes” in response to SC2.2.

Change from last year
Modified question
Connection to other frameworks

SDG

Goal 7: Affordable and clean energy

Response options

Please note that this table (for SC2.2a) is designed so that only the customers that you select in column 1 (“Requesting member”) will be able to see the data relevant to them. If you enter an answer without selecting a requesting member, your answer will not be viewable at all.

Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the “Add Row” button at the bottom of the table.

<table>
<thead>
<tr>
<th>Requesting member</th>
<th>Initiative ID</th>
<th>Group type of project</th>
<th>Type of project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from:</td>
<td>Select from drop-down options below</td>
</tr>
<tr>
<td>[Drop-down menu of requesting members]</td>
<td>[Drop-down menu of ID’s]</td>
<td>Reduce Logistics Emissions</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Change to provision of goods and services</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New product or service</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Relationship sustainability assessment</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Change to supplier operations</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other, please specify</td>
<td></td>
</tr>
</tbody>
</table>

Description of the reduction initiative

Emissions reduction for the reporting year in metric tons of CO2e

Would you be happy for CDP supply chain members to highlight this work in their external communication?

- Yes
- No

[Add Row]

<table>
<thead>
<tr>
<th>Type of project drop-down options (column 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
</tr>
</tbody>
</table>

Reduce Logistics Emissions
- Consolidated logistics
- Changing transportation mode (switch from aviation to rail)
- Route optimization
- Changed timing of logistics
- Other, please specify

Change to provision of goods and services
- Reduced packaging weight
- More online/virtual provision of services
- Other, please specify

New product or service
- New product or service that reduces customers operational emissions
- New product or service that reduces customers products/services operational emissions
- New product or service that has a lower upstream emissions footprint
- Other, please specify

Relationship sustainability assessment
- Assessing products or services life-cycle footprint to identify efficiencies
- Sustainability audit of existing relationship
- Aligning goals to feed into customers targets and ambitions
- Other, please specify

Change to supplier operations
- Implementation of energy reduction projects
- Increased levels of purchased renewable energy
- Undertaking life-cycle assessment
- Other, please specify

Other
- Other, please specify

Action Exchange

Questions SC3.1 - SC3.2a on the CDP Action Exchange have been removed for the 2022 disclosure cycle.
Product (goods and services) level data

(SC4.1) Are you providing product level data for your organization's goods or services?

Change from last year
No change

Response options
Select one of the following options:
- Yes, I will provide data
- No, I am not providing data

(SC4.1a) Give the overall percentage of total emissions, for all Scopes, that are covered by these products.

Question dependencies
This question only appears if you select "Yes, I will provide data" in response to SC4.1.

Change from last year
No change

Response options
Percentage field [enter a percentage from 0-100 using a maximum of 2 decimal places]

(SC4.2a) Complete the following table for the goods/services for which you want to provide data.

Question dependencies
This question only appears if you select "Yes, I will provide data" in response to SC4.1.

Change from last year
No change

Response options
Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Name of good/service</th>
<th>Description of good/service</th>
<th>Type of product</th>
<th>SKU (Stock Keeping Unit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Text field]</td>
<td>[Text field]</td>
<td>[Select from:]</td>
<td>[Text field]</td>
</tr>
<tr>
<td>Total emissions in kg CO₂e per unit</td>
<td>±% change from previous figure supplied</td>
<td>Date of previous figure supplied</td>
<td>Explanation of change</td>
</tr>
<tr>
<td>[Numerical field]</td>
<td>[Percentage field]</td>
<td>[Use the calendar button or enter dates manually in the format DD/MM/YYYY.]</td>
<td>[Text field]</td>
</tr>
<tr>
<td>[Text field]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Add Row]

(SC4.2b) Complete the following table with data for lifecycle stages of your goods and/or services.

Question dependencies
This question only appears if you select "Yes, I will provide data" in response to SC4.1.

**Change from last year**
No change

**Response options**
Please complete the following table. The table is displayed over several rows for readability. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Name of good/service</th>
<th>Please select the scope</th>
<th>Please select the lifecycle stage</th>
<th>Emissions at the lifecycle stage in kg CO(_2)e per unit</th>
<th>Is this stage under your ownership or control?</th>
</tr>
</thead>
</table>
| Text field [maximum 2,400 characters] | Select from:  
- Scope 1  
- Scope 2  
- Scope 3  
- Scope 1 & 2  
- Scope 1, 2 & 3  
- Other, please specify | Select from:  
- Assembly  
- Consumer use  
- Cradle to gate  
- Cradle to grave  
- Distribution  
- End of life/final disposal  
- Energy fuel  
- Manufacturing  
- Material acquisition  
- Operation of premises  
- Packaging  
- Pre-processing processing  
- Production  
- Recycling  
- Storage  
- Transportation  
- Waste  
- Other, please specify | Numerical field [enter a range of 0-999,999,999,999 using a maximum of 10 decimal places] | Select from:  
- Yes  
- No |

**Type of data used**

<table>
<thead>
<tr>
<th>Data quality</th>
<th>If you are verifying/assuring this product emissions data, please tell us how</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text field [maximum 2,500 characters]</td>
<td>Text field [maximum 5,000 characters]</td>
</tr>
</tbody>
</table>

[Add Row]

**SC4.2c** Please detail emissions reduction initiatives completed or planned for this product.

**Question dependencies**
This question only appears if you select "Yes, I will provide data" in response to SC4.1.

**Change from last year**
No change

**Response options**
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

<table>
<thead>
<tr>
<th>Name of good/service</th>
<th>Initiative ID</th>
<th>Description of initiative</th>
<th>Completed or planned</th>
<th>Emissions reductions in kg CO(_2)e per unit</th>
</tr>
</thead>
</table>
| Text field [maximum 2,500 characters] | Select from:  
[Drop-down of ID's] | Text field [maximum 2,500 characters] | Select from:  
- Completed  
- Ongoing  
- Planned | Numerical field [enter a range of 0-999,999,999,999 using a maximum of 2 decimal places] |

[Add Row]

**SC4.2d** Have any of the initiatives described in SC4.2c been driven by requesting CDP Supply Chain members?

**Question dependencies**
This question only appears if you select "Yes, I will provide data" in response to SC4.1.

Change from last year
No change

Response options
Select one of the following options:
- Yes
- No

(SC4.2e) Explain which initiatives have been driven by requesting members.

Question dependencies
This question only appears if you select "Yes" in response to SC4.2d.

Change from last year
No change

Response options
Please complete the following table. You are able to add rows by using the "Add Row" button at the bottom of the table.

Please note that this table (for SC4.2e) is designed so that only the customer that you select in column 1 ("Requesting member") will be able to see the data relevant to them. If you enter an answer without selecting a requesting member, your answer will not be viewable at all.

<table>
<thead>
<tr>
<th>Requesting member</th>
<th>Name of good/service</th>
<th>Initiative ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from:</td>
<td>Text field [maximum 2,500 characters]</td>
<td>Select from:</td>
</tr>
<tr>
<td>[Drop-down menu of requesting members]</td>
<td></td>
<td>[Drop-down of ID's]</td>
</tr>
</tbody>
</table>

[Add Row]

Important Information
Companies should not consider their CDP response a means of complying with any regulatory requirement to share financially sensitive non-public information with the market. You may wish to consult with your financial, legal, and/or compliance departments for advice on your company's general approach to the provision of forward-looking statements and information concerning risks.

CDP questionnaire copyright and licensed use

The copyright to CDP's annual questionnaire/s is owned by CDP Worldwide, a registered charity number 1122330 and a company limited by guarantee, registered in England number 05013650. Any use of any part of the questionnaire, including the questions, must be licensed by CDP. Any unauthorized use is prohibited and CDP reserves the right to protect its copyright by all legal means necessary.

© 2022 CDP Worldwide