CDP Oil and Gas Sector Module 2017

Drafting Document

**CDP**

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|  | Introduction to the drafting document |
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Introduction to this document

This document is solely for the purpose of drafting a response to the Oil and Gas sector module of the 2017 climate change questionnaire. Your final response must be entered via the CDP Online Response System (ORS).

We highly recommend that you activate your access to the ORS and review its structure and related guidance before proceeding with this drafting document. If you do not already have access to the ORS for your disclosing organization, please email [respond@cdp.net](mailto:respond@cdp.net) to request access.  
  
The ORS consists of questions that you will be asked to answer depending on other questions answered in each section. Please note that text fields have a character limit.

What is the deadline for responses?

Companies will receive a request to participate and an activation link in February 2017. This will allow them to access the questionnaire and begin inputting their response. The deadline for submissions is the June 29 2017.

**Guidance**

This drafting document contains no guidance on how to answer the questions. Please use this document in conjunction with the Oil and Gas sector module reporting guidance, which can be found on your dashboard or by following [this link](https://b8f65cb373b1b7b15feb-c70d8ead6ced550b4d987d7c03fcdd1d.ssl.cf3.rackcdn.com/cms/guidance_docs/pdfs/000/000/422/original/CDP-Oil-Gas-Module-Reporting-Guidance.pdf?1478598811).

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|  | Reference information |
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# **OG0. Reference information**

**Pre-population**

If you responded to CDP last year, questions OG0.1 on this page is eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page in the ORS.

**OG0.1: Please identify the significant petroleum industry components of your business within your reporting boundary (select all that apply)**

* Exploration, production & gas processing
* Storage, transportation & distribution
* Specialty operations
* Refining
* Retail & marketing

|  |  |
| --- | --- |
|  | Production & reserves by hydrocarbon type |
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# **OG1. Production & reserves by hydrocarbon type**

**Pre-population**

If you responded to CDP last year, questions OG1.1, OG1.2, OG1.3, OG1.4 and OG1.5 on this page are eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page in the ORS.

**OG1.1: Is your organization involved with oil and gas production or reserves?**

Please select from:

* Yes
* No

*If “No” is selected in question OG1.1, please go onto question OG1.6*

*If "Yes" is selected in question OG1.1, questions OG1.2 – OG1.5 will be presented:*

**OG1.2: Please provide values for annual gross and net production by hydrocarbon type (in units of BOE) for the reporting year in the following table. The values required are aggregate values for the reporting organization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product | Gross production (BOE) | Net production (BOE) | Production consolidation boundary | Comment |
| Select all that apply:   * Conventional non-associated natural gas * Associated natural gas * Natural gas condensate * Natural gas liquids (NGL) * Liquefied Natural Gas (LNG) * Liquefied Petroleum Gas (LPG) * Coalbed methane * Shale gas * Synthetic gas * Tight gas * Light oil * Medium oil * Heavy oil * Extraheavy oil * Bitumen (oil sands) * Shale oil * Synthetic oil * Tight oil | Numerical field | Numerical field | Select from:   * Operational control * Equity share * Operation control and equity share | Text field [maximum 2400 characters] |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG1.3: Please provide values for reserves by hydrocarbon type (in units of BOE) for the reporting year. Please indicate if the figures are for reserves that are proved, probable or both proved and probable. The values required are aggregate values for the reporting organization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product | Country/region | Reserves (BOE) | Date of assessment | Proved/  Probable/  Proved+Probable |
| Select all that apply:   * Conventional non-associated natural gas * Associated natural gas * Natural gas condensate * Natural gas liquids (NGL) * Coalbed methane * Shale gas * Synthetic gas * Tight gas * Light oil * Medium oil * Heavy oil * Extraheavy oil * Bitumen (oil sands) * Shale oil * Synthetic oil * Tight oil | Select from:  Country/region drop-down | Numerical field | Calendar field:  DD/MM/YYYY | Select from:   * Proved * Probable * Proved+Probable * Other, please specify |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG1.4: Please explain which listing requirements or other methodologies you have used to provide reserves data in OG1.3. If your organization cannot provide data due to legal restrictions on reporting reserves figures in certain countries, please explain this** [maximum 5000 characters]

**OG1.5: Please provide values for annual sales of hydrocarbon types (in units of BOE) for the reporting year in the following table. The values required are aggregate values for the reporting organization**

|  |  |  |
| --- | --- | --- |
| Product | Sales (BOE) | Comment |
| Select all that apply:   * Conventional non-associated natural gas * Associated natural gas * Natural gas condensate * Natural gas liquids (NGL) * Liquefied Natural Gas (LNG) * Liquefied Petroleum Gas (LPG) * Compressed Natural Gas (CNG) * Coalbed methane * Shale gas * Synthetic gas * Tight gas * Light oil * Medium oil * Heavy oil * Extraheavy oil * Bitumen (oil sands) * Shale oil * Synthetic oil * Tight oil * Refined products * Diesel * Gasoline/petroleum * Other- please specify | Numerical field | Text field [maximum 2400 characters] |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG1.6: Please provide the average breakeven cost of current production used in estimation of proven reserves**

|  |  |  |
| --- | --- | --- |
| Hydrocarbon/project | Breakeven cost/BOE | Comment |
| Text field [maximum 2400 characters] | Numerical field | Text field [maximum 2400 characters] |

**OG1.7: In your economic assessment of hydrocarbon reserves and resources, do you conduct scenario analysis consistent with global developments to avoid dangerous climate change by reducing GHG emissions?**

Please select from:

* Yes, compatible with RCP2.6
* Yes, compatible with IEA 450
* Yes, compatible with IEA 2DS
* Yes, compatible with IEA Bridge Scenario
* Yes, other
* No

*If any of the “Yes” options are selected in question OG1.7:*

**OG1.7a: Please describe your analysis and/or portfolio stress testing, the inputs used and the implications for your capital expenditure plans and investment decisions** [maximum 5000 characters]

*If “No” is selected in question OG1.7:*

**OG1.7b: Please explain why you have not conducted any scenario analysis and/or portfolio stress testing consistent with a low-carbon scenario** [maximum 5000 characters]

|  |  |  |
| --- | --- | --- |
|  | Emissions by segment in the O&G value chain |  |
|  |  |

**OG2. Emissions by segment in O&G value chain**

**Pre-population**

If you responded to CDP last year, all questions on this page are eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page. Please note that for OG2.3 and OG2.4 the value chain segment structure you supplied last year will be populated into column 1, but that you will need to manually enter the emissions data for the current reporting year.

**OG2.1: Please indicate the consolidation basis (financial control, operational control, equity share) used to report the Scope 1 and Scope 2 emissions by segment in the O&G value chain. Further information can be provided in the text box in OG2.2**

|  |  |  |
| --- | --- | --- |
| Segment | Consolidation basis for reporting Scope 1 emissions | Consolidation basis for reporting Scope 2 emissions |
| Select from:   * Exploration, production & gas processing * Storage, transportation & distribution * Specialty operations * Refining * Retail & marketing | Select from:   * Financial control * Operational control * Equity share | Select from:   * Financial control * Operational control * Equity share |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG2.2: Please provide clarification for cases in which different consolidation bases have been used and the level/focus of disclosure. For example, a reporting organization whose business is solely in storage, transportation and distribution (STD) may use the text box to explain why only the STD row has been completed** [maximum 5000 characters]

**OG2.3: Please provide masses of gross Scope 1 carbon dioxide and methane emissions in units of metric tonnes CO2 and CH4, respectively, for the organization’s owned/controlled operations broken down by value chain segment.**

|  |  |  |
| --- | --- | --- |
| Segment | Gross Scope 1 carbon dioxide emissions (metric tonnes CO2) | Gross Scope 1 methane emissions (metric tonnes CH4) |
| Select from:   * Exploration, production & gas processing * Storage, transportation & distribution * Specialty operations * Refining * Retail & marketing | Numerical field | Numerical field |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG2.4: Please provide masses of gross Scope 2 GHG emissions in units of metric tonnes CO2e for the organization’s owned/controlled operations broken down by value chain segment.**

|  |  |  |
| --- | --- | --- |
| Segment | Gross Scope 2 emissions (metric tonnes CO2e) | Comment |
| Select from:   * Exploration, production & gas processing * Storage, transportation & distribution * Specialty operations * Refining * Retail & marketing | Numerical field | Text field [maximum 2400 characters] |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

|  |  |
| --- | --- |
|  | Scope 1 emissions by emissions category |
|  |

**OG3. Scope 1 emissions by emission category**

**Pre-population**

If you responded to CDP last year, questions OG3.1, OG3.2 and OG3.4 on this page are eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page.

**OG3.1: Please confirm the consolidation bases (financial control, operational control, equity share) used to report Scope 1 emissions by emissions category**

|  |  |
| --- | --- |
| Segment | Consolidation basis for reporting Scope 1 emissions by emissions category |
| Select from:   * Exploration, production & gas processing * Storage, transportation & distribution * Specialty operations * Refining * Retail & marketing | Select from:   * Financial control * Operational control * Equity share |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG3.2: Please provide clarification for cases in which different consolidation bases have been used to report by emissions categories (combustion, flaring, process emissions, vented emissions, fugitive emissions) in the various segments** [maximum 5000 characters]

**OG3.3: Please provide masses of gross Scope 1 carbon dioxide and methane emissions released into the atmosphere in units of metric tonnes CO2 and CH4, for the whole organization broken down by emissions category.**

|  |  |  |
| --- | --- | --- |
| Category | Gross Scope 1 carbon dioxide emissions (metric tonnes CO2) | Gross Scope 1 methane emissions (metric tonnes CH4) |
| Combustion | Numerical field | Numerical field |
| Flaring | Numerical field | Numerical field |
| Process emissions | Numerical field | Numerical field |
| Vented emissions | Numerical field | Numerical field |
| Fugitive emissions | Numerical field | Numerical field |

**OG3.4: Please describe your organization’s efforts to reduce flaring, including any flaring reduction targets set and/or its involvement in voluntary flaring reduction programs, if flaring is relevant to your operations** [maximum 5000 characters].

|  |  |
| --- | --- |
|  | Transfers & sequestration of CO2 emissions |
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**OG4. Transfer & sequestration of CO2 emissions**

**Pre-population**

If you responded to CDP last year, all questions on this page apart from OG4.4 are eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page.

Please note that for OG4.7 the options you selected in column 1 (Capture pathway in CCS) last year will be re-populated into column 1, but that you will need to manually enter the captured mass and percentage transfer data for this year into columns 2, 3 and 4. For OG4.8 the injection and storage pathway structure you supplied last year will be populated into column 1, but you will need to manually enter the injected masses and related data for this year into columns 2, 3, 4 and 5.

**OG4.1: Is your organization involved in the transfer of sequestration of CO2?**

Please select from:

* Yes
* No

*If “No” is selected in question OG4.1, you will not be presented with any further questions on this page and can progress to the following page.*

*If “Yes” in response to OG4.1, questions OG4.2- OG4.9 will be presented:*

**OG4.2: Please indicate the consolidation basis (financial control, operational control, equity share) used to report transfers and sequestration of CO2 emissions**

|  |  |
| --- | --- |
| Activity | Consolidation basis |
| Transfers | Select from:   * Financial control * Operational control * Equity share |
| Sequestration of CO2 emissions | Select from:   * Financial control * Operational control * Equity share |

**G4.3: Please provide clarification for cases in which different consolidation bases have been used (e.g. for a given activity, capture, injection or storage pathway)** [maximum 5000 characters]

**OG4.4: Using the units of metric tonnes of CO2, please provide gross masses of CO2 transferred in and out of the reporting organization (as defined by the consolidation basis). Please note that questions of ownership of the CO2 are addressed in OG4.6**

|  |  |
| --- | --- |
| Transfer direction | CO2 transferred – Reporting year |
| CO2 transferred in | Numerical field |
| CO2 transferred out | Numerical field |

**OG4.5: Please provide clarification on whether any oil reservoirs and/or sequestration system (geological or oceanic) have been included within the organizational boundary of the reporting organization. Provide details, including degrees to which reservoirs are shared with other entities** [maximum 5000 characters]

**OG4.6: Please explain who (e.g. the reporting organization) owns the transferred emissions and what potential liabilities are attached. In the case of sequestered emissions, please clarify whether the reporting organization or one or more third parties own the sequestered emissions and who has potential liability for them** [maximum 5000 characters]

**OG4.7: Please provide masses in metric tonnes of gross CO2 captured for purposes of carbon capture and sequestration (CCS) during the reporting year according to captured pathway. For each pathway, please provide a breakdown percentage of the gross captured CO2 that was transferred into the reporting organization and the percentage that was transferred out of the organization (to be stored)**

|  |  |  |  |
| --- | --- | --- | --- |
| Capture pathway in CCS | Captured CO2 (metric tonnes CO2) | Percentage transferred in | Percentage transferred out |
| Select from:   * Gas stream separation from natural gas purification * Separation of CO2 from industrial process gas streams * Flue gas CO2 separation * Oxy-firing combustion * Gasification (partial oxidation) or steam reforming to produce hydrogen * Other, please specify | Numerical field | Numerical field | Numerical field |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG4.8: Please provide masses in metric tonnes of gross CO2 injected and stored for purposes of CCS during the reporting year according to injection and storage pathway**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Injection and storage pathway | Injected CO2 (metric tonnes CO2) | Percentage of injected CO2 intended for long-term (>100 year) storage | Year in which injection began | Cumulative CO2 injected and stored (metric tonnes CO2) |
| Select from:   * Acid gas injection (CO2 and H2S co-injected into a production reservoir) * CO2 used for enhanced oil recovery (EOR) or enhanced gas recovery (EGR) * CO2 injected into a geological formation or saline formation for long-term storage * CO2 used for enhanced coal bed methane (ECBM) operations * Other, please specify | Numerical field | Numerical field | The value must be in the range 1900-2017. | Numerical field |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG4.9: Please provide details of risk management performed by the reporting organization and/or third party in relation to its CCS activities. This should cover pre-operational evaluation of the storage (e.g. site characterization), operational monitoring, closure monitoring, remediation for CO2 leakage, and results of third party verification** [maximum 5000 characters]

|  |  |
| --- | --- |
|  | OG5. Sales and emissions intensity |
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**OG5. Sales and emission intensity**

**Pre-population**

If you responded to CDP last year, all questions on this page are eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page.

Please note that for question OG5.1 (formerly OG5.2) the range of years selectable in column 1 (‘Year ending’) has progressed one year, ‘2010’ no longer exists as an option in the drop-down menu and will not copy over from last year.

**OG5.1:** **Please provide estimated emissions intensities (Scope 1 + Scope 2) associated with current production and operations**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Year ending | Segment | Hydrocarbon/product | Emissions intensity (metric tonnes CO2e per thousand  BOE) | % change from previous year | Direction of change from previous year | Reason for change |
| Select from:   * 2011 * 2012 * 2013 * 2014 * 2015 * 2016 * 2017 | Select from:   * Exploration, production & gas processing * Storage, transportation & distribution * Specialty operations * Refining * Retail & marketing | Select all that apply:   * Conventional non-associated natural gas * Associated natural gas * Natural gas condensate * Natural gas liquids (NGL) * Liquefied Natural Gas (LNG) * Liquefied Petroleum Gas (LPG) * Compressed Natural Gas (CNG) * Coalbed methane * Shale gas * Synthetic gas * Tight gas * Light oil * Medium oil * Heavy oil * Extraheavy oil * Bitumen (oil sands) * Shale oil * Synthetic oil * Tight oil * Refined products * Diesel * Gasoline/petroleum | Numerical field | Numerical field | Select from:   * Increase * Decrease * No change * N/A | Text field [maximum 2400 characters] |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG5.2: Please clarify how each of the emissions intensities has been derived and supply information on the methodology used where this differs from information already given in answer to the methodology questions in the main information request** [maximum 5000 characters]

|  |  |
| --- | --- |
|  | Development strategy |
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**OG6. Development strategy**

**Pre-population**

If you responded to CDP last year, all questions on this page are eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page.

Please note that for question OG6.1 the strategic development areas and descriptions you supplied last year will be populated into columns 1 and 2, respectively, but that you will need to manually enter the financial information and comments for the current reporting year into the remaining columns.

Please note that for question OG6.3, the strategic development areas, future planned R&D expenses and comments you supplied last year will be populated into column 1, 3 and 4, respectively, but that you will need to manually enter the R&D expenses for the current reporting year into column 2.

**OG6.1: For each relevant strategic development area, please provide financial information for the reporting**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Strategic development area | Describe how this relates to your business strategy | Sales generated | EBITDA | Net assets | CAPEX | OPEX | Comment |
| Select from:   * Exploration and development of new hydrocarbon reserves * Renewable energy, excluding Biomass and Biofuels[[1]](#footnote-2) * Biomass excluding Biofuels * Biofuels * Carbon Capture and Storage (CCS) * Energy efficiency * Methane management * Other, please specify | Text field [maximum 2400 characters] | Numerical field | Numerical field | Numerical field | Numerical field | Numerical field | Text field [maximum 2400 characters] |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG6.2: Please describe your future capital expenditure plans for different strategic development areas**

|  |  |  |  |
| --- | --- | --- | --- |
| Strategic development area | CAPEX | Total return expected from CAPEX investments | Comment |
| Select from:   * Exploration and development of new hydrocarbon reserves * Renewable energy, excluding Biomass and Biofuels[[2]](#footnote-3) * Biomass excluding Biofuels * Biofuels * Carbon Capture and Storage (CCS) * Energy efficiency * Methane management * Other, please specify | Numerical field | Numerical field | Text field [maximum 2400 characters] |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG6.3: Please describe your current expenses in research and development (R&D) and future R&D expenditure plans for different strategic development areas**

|  |  |  |  |
| --- | --- | --- | --- |
| Strategic development area | R&D expenses – Reporting year | R&D expenses – Future plans | Comment |
| Select from:   * Exploration and development of new hydrocarbon reserves * Renewable energy, excluding Biomass and Biofuels[[3]](#footnote-4) * Biomass excluding Biofuels * Biofuels * Carbon Capture and Storage (CCS) * Energy efficiency * Methane management * Other, please specify | Numerical field | Numerical field | Text field [maximum 2400 characters] |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

|  |  |
| --- | --- |
|  | Methane from the natural gas value chain |
|  |

**OG7. Methane from the natural gas value chain**

**Pre-population**

If you responded to CDP last year questions OG7.1, OG7.2, OG7.3, OG7.3a, OG7.3b, OG7.4, OG7.5, OG7.6 and OG7.6a are eligible for pre-population. To take advantage of this function, click “copy from last year” prior to entering any data on the page.

OG7.7 and its sub-questions will not copy over because they have changed significantly since last year or are new questions for 2017. Please note that for question OG7.5 the range of years selectable in column 1 (‘Year ending’) has progressed one year and ‘2010’ no longer exists as an option in the drop-down menu and will not copy over from last year.

**OG7.1: Please indicate the consolidation basis (financial control, operational control, equity share) used to prepare data to answer the questions in OG7**

|  |  |
| --- | --- |
| Segment | Consolidation basis |
| Select from:   * Exploration, production & gas processing * Storage, transportation & distribution * Specialty operations * Refining * Retail & marketing | Select from:   * Financial control * Operational control * Equity share |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG7.2: Please provide clarification for cases in which different consolidation bases have been used** [maximum 5000 characters]

**OG7.3: Does your organization conduct leak detection and repair (LDAR), or use other methods to find and fix fugitive methane emissions?**

Please select from:

* Yes
* No

*If “Yes” is selected in question OG7.3:*

**OG7.3a: Please describe the protocol through which methane leak detection and repair, or other leak detection methods, are conducted, including predominant frequency of inspections, estimates of assets covered, and methodologies employed** [maximum 5000 characters]

*If “No” is selected in question OG7.3:*

**OG7.3b: Please explain why and whether you plan on conducting leak detection and repair, or other methods to find and fix fugitive methane emissions?** [maximum 5000 characters]

**OG7.4: Please indicate the proportion of your organization’s methane emissions inventory estimated using the following methodologies (+/- 5%)**

|  |  |  |
| --- | --- | --- |
| Methodology | Proportion of total methane emissions estimated with methodology | What area of your operations does this answer relate to? |
| Direct detection and measurement | Select from:   * 0% * >0% to <5% * 5% to <10% * 10% to <25% * 25% to <50% * 50% to <75% * >75% | Select from:   * All * USA only * Other, please specify |
| Engineering calculations | As above | As above |
| Source-specific emission factors (IPCC Tier 3) | As above | As above |
| IPCC Tier 1 and/or Tier 2 emission factors | As above | As above |

**OG7.5: Please use the following table to report your methane emissions rate**

|  |  |  |  |
| --- | --- | --- | --- |
| Year ending | Segment | Estimate total methane emitted expressed as % of natural gas production or throughput at given segment | Estimate total methane emitted expressed as % of total hydrocarbon production or throughput at given segment |
| Select from:   * 2011 * 2012 * 2013 * 2014 * 2015 * 2016 * 2017 | Select from:   * Exploration, production & gas processing * Storage, transportation & distribution * Specialty operations * Refining * Retail & marketing | Numerical field | Numerical field |

To add multiple entries, please use the “Add Row” button of the bottom right of the table in the ORS.

**OG7.6: Does your organization participate in voluntary methane emissions reduction programs?**

Please select from:

* Yes
* No

*If “Yes” is selected in question OG7.6:*

**OG7.6a: Please describe your organization’s participate in voluntary methane emission reduction programs** [maximum 5000 characters]

**OG7.7: Did you have a methane-specific emissions reduction target that was active (ongoing or reached completion) in the reporting year and/or were methane emissions incorporated into targets reported in CC3?**

Please select from:

* Yes, a methane-specific emissions reduction target
* Yes, methane emissions were incorporated into targets reported in CC3
* Yes, a methane-specific emissions reduction target and methane emissions were incorporated into targets reported in CC3
* No

*If “Yes, a methane-specific emissions reduction target” or “Yes, a methane-specific emissions reduction target and methane emissions were incorporated into targets reported in CC3*” *is selected in question OG7.7:*

**OG7.7a: If you have a methane-specific emissions reduction target that is not detailed as a separate target in CC3, please provide those details here, addressing all of the metrics requested in table CC3.1a or CC3.1b (for an absolute or intensity target, respectively)** [maximum 5000 characters]

*If “Yes, methane emissions were incorporated into targets reported in CC3” or “Yes, a methane-specific emissions reduction target and methane emissions were incorporated into targets reported in CC3*” *is selected in question OG7.7:*

**OG7.7b: If methane emissions were incorporated into targets reported in CC3 (but not detailed as a separate target), please indicate which target ID(s) incorporate methane emissions, and specify the portion of those targets that is comprised of methane** [maximum 5000 characters]

*If “No*” *is selected in question OG7.7:*

**OG7.7c: Please explain: (i) why you do not have a methane-specific emissions reduction target or do not incorporate methane into your targets reported in CC3; and (ii) forecast how your methane emissions will change over the next five years** [maximum 5000 characters]

1. Renewable energy, excluding biomass and biofuels include: Solar - water heating; Solar - photovoltaic; Wind; Tidal; Wave; Hydro; and Geothermal [↑](#footnote-ref-2)
2. Renewable energy, excluding biomass and biofuels include: Solar - water heating; Solar - photovoltaic; Wind; Tidal; Wave; Hydro; and Geothermal [↑](#footnote-ref-3)
3. Renewable energy, excluding biomass and biofuels include: Solar - water heating; Solar - photovoltaic; Wind; Tidal; Wave; Hydro; and Geothermal [↑](#footnote-ref-4)