

## Electric Utilities

### Introduction to the module

The electric utilities module is based on a reporting framework produced by the Institutional Investors Group on Climate Change (IIGCC), Ceres, and the Investor Group on Climate Change Australia/New Zealand (IGCC). It should be completed by companies engaged in the generation, transmission and distribution of electricity.

Companies with business activities additional to the production/transmission/distribution of electricity should answer the 2017 core climate change questionnaire including emissions from their other activities and their electricity-related activities. The following questions only require answers to be given for the electricity-related division, activity or assets of their business. In answering the questions, the reporting boundary/consolidation approach used for the core climate change questionnaire should be adopted for the supplementary questions.

If a fuel or energy source that your organization uses is not shown, please log those figures under the "Other" category. CCGT (Combined Cycle Gas Turbine) should be used for emissions from all fuels combusted using this technology. For example, if an electrical generation company combusts gas in a CCGT plant, these figures should be logged under CCGT, rather than "Oil & gas (excluding CCGT)". Emissions from gas that is not combusted in CCGT should be logged under "Oil & gas (excluding CCGT)".

Summary of the questions:

- EU0 Reference dates**
- EU1 Global totals by year**
- EU2 Individual country profiles**
- EU3 Renewable electricity sourcing regulations**
- EU4 Renewable electricity development**

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### EU0 Reference dates

EU0.1 Please enter the dates for the periods for which you will be providing data. The years given as column headings in subsequent tables correspond to the “year ending” dates selected below. It is requested that you report emissions for: (i) the current reporting year; (ii) one other year of historical data (i.e. before the current reporting year); and, (iii) one year of forecasted data (beyond 2021 if possible).

Year ending	Start date	End date

### EU1 Global totals by year

EU1.1 In each column, please give a total figure for all the countries for which you will be providing data for the “year ending” periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO <sub>2</sub> e)	Emissions intensity (metric tonnes CO <sub>2</sub> e/MWh)

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## EU2 Individual country profiles

In general, a table should be completed for each country in which the organization has significant operations (i.e. operations that lead to more than 5% of the organization's total emissions). Relevant countries are selected at the start of the Online Response System.

EU2.1 Please select the energy sources/fuels that you use to generate electricity in this country

- Coal – hard
- Lignite
- Oil & gas (excluding CCGT)
- CCGT
- Nuclear
- Waste
- Hydro
- Other renewables
- Other

[Note: CCGT = Combined Cycle Gas Turbine; "Other renewables" would include wind, solar, geothermal, etc. (i.e. non-combustion renewable electricity sources); "Other" is an aggregation of other energy sources/fuels that are not listed]

*For each combustible fuel selected (Coal – hard; Lignite; Oil & gas (excluding CCGT); CCGT; Waste; and Other):*

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO <sub>2</sub> e)	Emissions intensity (metric tonnes CO <sub>2</sub> e/MWh)

*For each non-combustible energy source selected (Nuclear; Hydro; and Other renewables):*

Please complete the following table for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)

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The following tables appear for every country:

Solid biomass - please complete for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO <sub>2</sub> e)	Emissions intensity (metric tonnes CO <sub>2</sub> e/MWh)

Total thermal including solid biomass – please complete for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO <sub>2</sub> e)	Emissions intensity (metric tonnes CO <sub>2</sub> e/MWh)

Please enter total figures for this country for the "year ending" periods that you selected in answer to EU0.1

Year ending	Nameplate capacity (MW)	Production (GWh)	Absolute emissions (metric tonnes CO <sub>2</sub> e)	Emissions intensity (metric tonnes CO <sub>2</sub> e/MWh)

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### EU3 Renewable electricity sourcing regulations

EU3.1 In certain countries, e.g. Italy, the UK, the USA, electricity suppliers are required by regulation to incorporate a certain amount of renewable electricity in their energy mix. Is your organization subject to such regulatory requirements?

*If yes:* EU3.1a Please provide the scheme name, the regulatory obligation in terms of the percentage of renewable electricity sourced (both current and future obligations) and give your position in relation to meeting the required percentages

Scheme name	Current % obligation	Future % obligation	Date of future obligation	Position in relation to meeting obligations

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### EU4 Renewable electricity development

EU4.1 Please give the contribution of renewable electricity to your organization's EBITDA (Earnings Before Interest, Tax, Depreciation and Amortisation) in the current reporting year in either monetary terms or as a percentage

Please give:	Monetary figure	%	Comment
Renewable electricity's contribution to EBITDA			

EU4.2 Please give the projected contribution of renewable electricity to your organization's EBITDA at a given point in the future in either monetary terms or as a percentage

Please give:	Monetary figure	%	Year ending	Comment
Renewable electricity's contribution to EBITDA				

EU4.3 Please give the capital expenditure (capex) planned for the development of renewable electricity capacity in monetary terms and as a percentage of total capex planned for power generation in the current capex plan

Please give:	Monetary figure	%	End year of capex plan	Comment
Capex planned for renewable electricity development				