

Renewables and Energy

GSMA & CDP Supply Chain



Agenda

- ▼ **GSMA Introduction**
- ▼ Key dates and best practice tips
- ▼ Preparing for the energy transition
- ▼ Energy in the CDP questionnaire
- ▼ Renewable energy in the CDP questionnaire
- ▼ Energy Efficiency in the CDP questionnaire
- ▼ Resources and Q&A

Key dates and best practice tips



2024 disclosure timeline



Prepare

Disclose

Access insights

Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

APR 30
2024 CDP corporate
questionnaire
published

JUN 4
The questionnaires
open for disclosers
to respond

SEPT 18
Scoring submission
deadline for
corporates

OCT 2
Submission deadline
for corporates

Quick Tips for Getting Started



Before you start:

- ▼ Allow emails from @cdp.net, disable popup blockers, optimized use in Google Chrome
- ▼ Visit: www.cdp.net/guidance
- ▼ Review questionnaires offline by downloading them in Microsoft Word or a PDF
- ▼ Review guidance and scoring methodology

How to access:

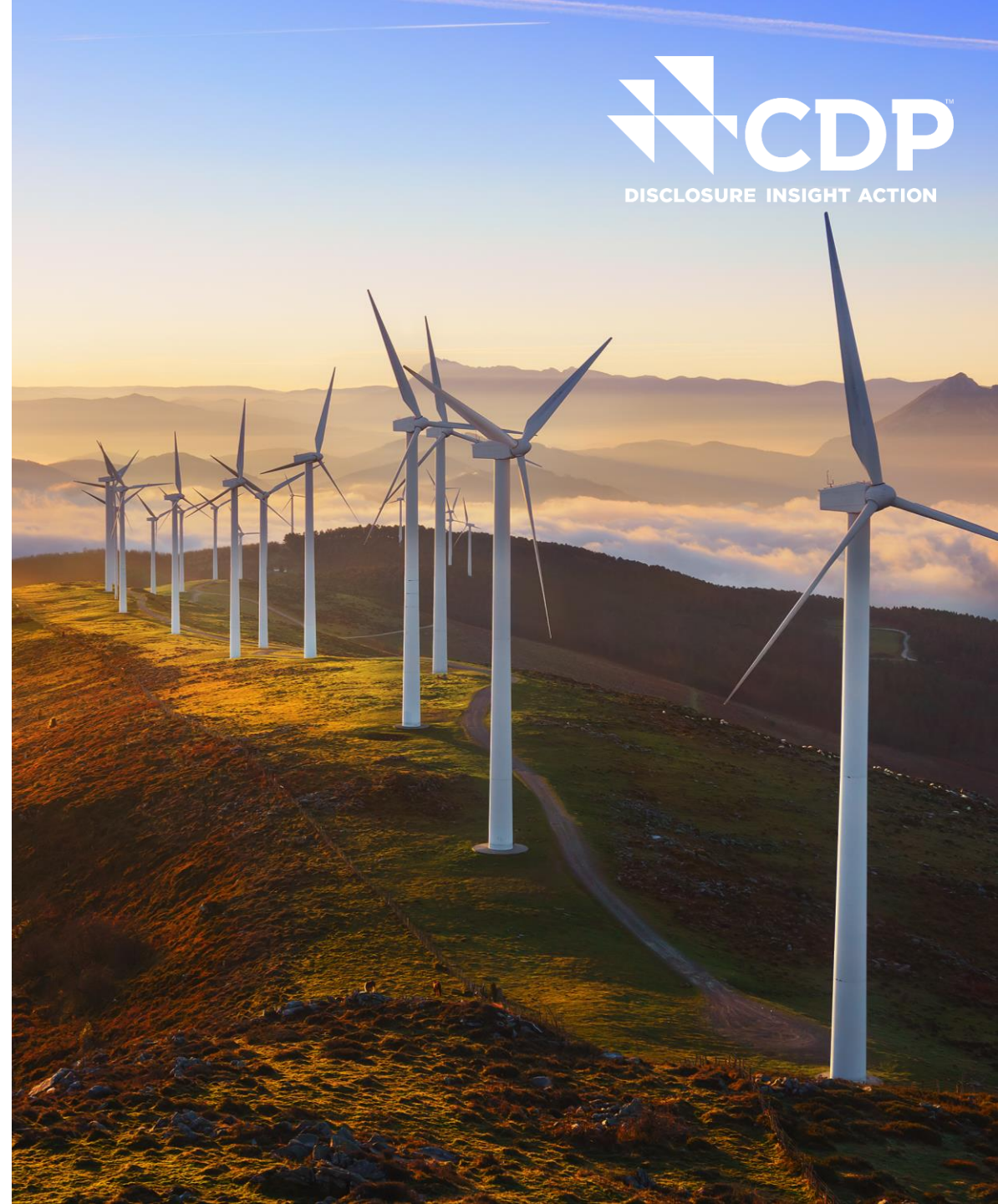
- ▼ [Register a contact](#) on CDP's website
- ▼ Follow the activation link in the May/June invitation from CDP
- ▼ [Login to the CDP portal](#) and activate your questionnaires immediately
- ▼ If you have not received an email from CDP, contact the [CDP Help Center](#)
- ▼ Scoring Deadline: [September 18, 2024](#)

Preparing for the energy transition



Why Renewable Energy?

- ▼ One of the most accessible decarbonisation tools;
- ▼ Significantly helps achieve emissions reduction targets;
- ▼ Manage fluctuating energy costs, while ensuring better energy security;



WHAT IS RENEWABLE & LOW CARBON ENERGY?



Renewables: Sources of energy can be naturally replenished on a human timescale.

Excludes all fossil fuels (coal, oil, natural gas) and nuclear



Low carbon: No precise definition, CDP aligns with IEA Technology with no direct emissions and indirect emissions which can usually be considered as negligible
Nuclear power is usually considered low-carbon

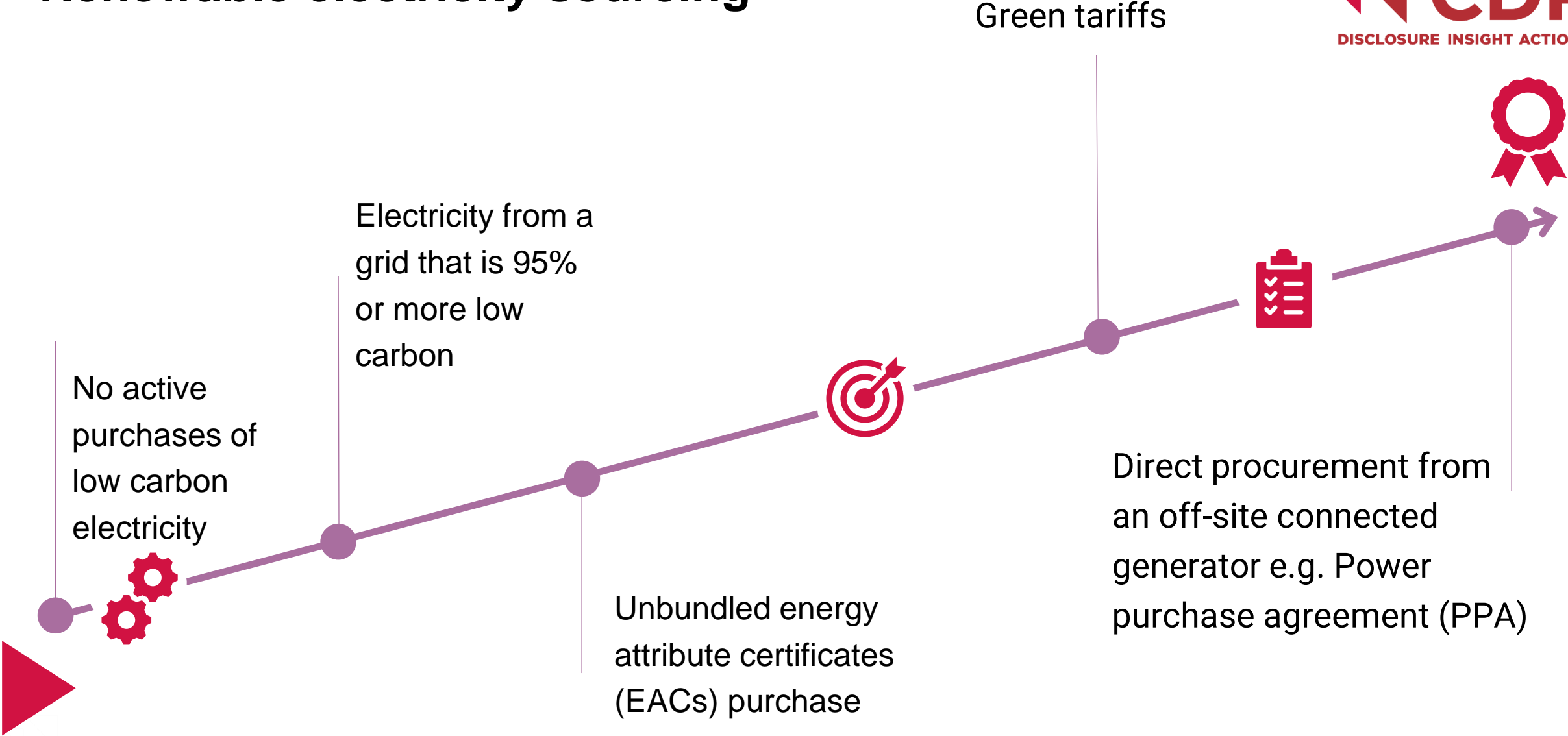
RENEWABLE SOURCING OPTIONS



SELF-GENERATION	
Generation from installations owned by the company	
PURCHASE	
Power Purchase Agreement (PPA)	On site installations owned by a supplier
	Direct line to an off-site generator with no grid transfer
	Direct procurement from off site grid connected generators
Contract with a supplier (green electricity product)	
Unbundled energy attribute certificate purchase	

- ▼ Buying from the grid is not recognized as buying Renewable even if the grid has a high RE %
- ▼ Some countries do not have the above sourcing options

Renewable electricity sourcing



Energy in the CDP questionnaire



Module 7 Energy

Best practice



- ▼ Ensure your data is consistent
- ▼ Explain the sources of your fuel consumption and disclose MWh consumed in each fuel
- ▼ CDP awards companies consuming energy from renewable sources with more points.
- ▼ CDP's Module 7 and reporting guidance can help you understand the importance of each question within the module.

Need extra support? Watch our [video](#) on sourcing and tracking renewable energy.

Module 7 – Energy related activities

Module 7: Environmental performance Climate change

Emissions methodology and exclusions

Scope 1, 2, and 3 emissions inventory

Biogenic emissions

Emissions data – agricultural commodities

Emissions breakdown

Energy-related activities

Electricity transmission and distribution

Production data

Intensity and efficiency metrics

Other climate-related metrics

Targets

Continued...

- **(7.29)** What percentage of your total operational spend in the reporting year was on energy? (Previously C8.1)
- **(7.30)** Select which energy-related activities your organization has undertaken. (Previously C8.2)
- **(7.30.1)** Report your organization's energy consumption totals (excluding feedstocks) in MWh. (Previously C8.2a)

Modified question

7.54.1 Low-carbon energy consumption targets



REPORTING ENERGY CONSUMPTION

Watch out for the unit

If your raw data is in volume units, e.g. cubic feet or gallons, or in mass units, e.g. kilograms (kg) or pounds (lb), then you should **convert to energy units** using factors for fuel heating/calorific values. See our technical note on this topic [here](#)

If your raw data is in energy units other than MWh, such as Giga-Joules (GJ) or British Thermal Units (Btu), then you should convert to MWh.

You should enter all energy figures in Mega-Watt-hours (MWh).

If you need to convert any data units, please refer to the [IEA](#) or [OnlineConversion.com](#).

Check that the totals add up

Check that the totals for each row in the table add up and check that the final row for energy consumption is the sum of each column.

7.30 Where and how to report energy consumption



Activity	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Select from: <ul style="list-style-type: none">• Yes• No
Consumption of purchased or acquired electricity	
Consumption of purchased or acquired heat	
Consumption of purchased or acquired steam	
Consumption of purchased or acquired cooling	
Generation of electricity, heat, steam, or cooling	

(7.30.1) Report your organization's energy consumption totals (excluding feedstocks) in MWh



Activity	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable + non-renewable) MWh
Consumption of fuel (excluding feedstock)				
Consumption of purchased or acquired electricity	N/A	Insert here the total figure for consumed electricity from renewable sources	Insert here the total figure for consumed electricity from <u>NON-renewable</u> sources	This figure is the sum of renewable + non-renewable electricity
Consumption of purchased or acquired heat				
Consumption of purchased or acquired steam				
Consumption of purchased or acquired cooling				
Consumption of self-generated non-fuel renewable energy	N/A	Insert here the total figure for <u>self generated</u> energy from renewable sources	N/A	This figure should match the figure in total figure for <u>self generated</u> energy from renewable sources
Total energy consumption	N/A	Total of column MWh from renewable sources	Total of column MWh from non-renewable sources	Sum of energy consumption from renewable + non-renewable

Renewable energy in the CDP questionnaire



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Targets

Continued...

- **(7.7)** What were your organization's gross global Scope 2 emissions in metric tons CO₂e?
- **(7.10)** How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?
- **(7.30.7)** State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.
- **(7.30.14)** 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 7.7.
- **(7.54.1)** Provide details of your targets to increase or maintain low-carbon energy consumption or production.

Modified question

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



Fuels (excluding feedstocks)	Heating value	Total fuel MWh consumed by the organization	MWh fuel consumed for self-generation of electricity, heat, steam etc....(columns for each)
Sustainable biomass,	LHV HHV Unable to confirm heating value	1234.99	1234.99
Other biomass			
Other renewable fuels (e.g. renewable hydrogen)			
Coal, Oil, Gas....row for each			

Scope 1 greenhouse gas emissions are directly associated with the consumption of fuel for energy purposes. This question provides data users with more transparency regarding the type of fuel an organization has consumed. Total consumption of fuels and their consumption for different energy applications also provides insight on the way in which fuels are used by the organization, which can allow for a fairer and more consistent understanding of corporate energy and emissions from data users.

(7.30.14) 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 7.7.

Country/area of consumption of low-carbon energy	Sourcing method	Energy carrier	Low-carbon technology type	Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)
	Select the option that best describes the sourcing method that you use for low-carbon electricity: <ul style="list-style-type: none"> •RECs •Guarantees of Origins •I-RECs •PPAs •Green Tariffs •Virtual PPA •Project specific contract with elec supplier •Etc. 	Select from: <ul style="list-style-type: none"> •Electricity •Heat •Steam •Cooling •Heat, steam and cooling combined 	<ul style="list-style-type: none"> •Solar •Wind •Hydropower •Nuclear •Biomass •Marine •Geothermal •Fossil-fuel plants fitted with CCS •Low-carbon energy mix •Renewable energy mix •Other 	<ul style="list-style-type: none"> •Numerical field [enter a number from 0 to 999,999,999.99 using up to 2 decimal places and no commas]

To claim the use of renewable electricity, companies must source renewable electricity from within the boundary of the market in which they are consuming the electricity. For more information on the market boundary criteria please refer to the [CDP Technical Note: Accounting of Scope 2 emissions.](#)

(7.30.14) 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 7.7. (cont.)

Tracking instrument used	Country/area of origin (generation) of the low carbon energy or energy attribute	Are you able to report the commissioning or re-powering year of the energy generation facility?	Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)	Comment
Select from <ul style="list-style-type: none"> •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 		Select from: <ul style="list-style-type: none"> • Yes • No 	Numerical field [enter a number between 1900-2024]	

Energy Efficiency in the CDP questionnaire



Where and how to report energy efficiency measures

Module 7: Environmental performance Climate change

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Targets

Continued...

(7.55) 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. (previously C4.3)

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

(7.55.3) What methods do you use to drive investment in emissions reduction activities? (C4.3c)

(7.10.1) 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. (previously C7.9a)

Supplier engagement in the CDP questionnaire



Module 5 – Value chain engagement



(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization’s purchasing process, and the compliance measures in place (previously C12.2a)

(5.11.7) Provide further details of your organization’s supplier engagement on environmental issues (modified from C12.1a)

(5.12) Indicate any mutually beneficial environmental initiatives you could collaborate on with specific CDP Supply Chain members (modified from SC2.1)

SUPPLIER QUERIES

For technical issues:

Please use our multi-lingual [help center](#) Where you can find FAQs or raise a case. Direct link is also available on the CDP Portal.



For technical guidance:

Please register for [webinars](#) and check out the CDP's [Guidance page](#)

You can learn best practice on the [Supplier Support Webinars](#)



Other helpful guidance:

- ▼ [GHG Protocol Corporate Standard](#)
- ▼ [GHG Protocol Calculation Tools](#)
- ▼ [FAQs- The Science Based Targets Initiative](#)

**Please post
your questions
in the Q&A chat**

Thank you!
Recording and slide deck
will be made available soon