Contents

How to report to the EAPP Assessment badge phase

This section of the document will take you through the steps for reporting to the 'Assessment' badge phase of the Energy Access and Poverty Pillar. As a first step, please view Figure 1. of the Annex at the end of this document to see regional attributes and their corresponding GCoM regions, as well as which CRF requirements they address.

Question 3.1

- For all regional indicators, reporting cities must provide a link or attachment of an energy assessment in column 4 and a description of the energy assessment in column 5.

Reporting to the Sustainable Energy Attribute indicators

Question 3.1

- If you have selected the indicator of 'Energy consumption from renewable energy sources' for the regional attribute of **Sustainable Energy**, please report the correct data to columns 1, 2 and 4 of question 3.1.

- If you have selected the indicator of 'Source mix of thermal energy (heating and cooling) consumed within local boundary' for the regional attribute of **Sustainable Energy**, please select the option 'Thermal (heating and cooling) consumption mix data' in column 3 to be presented with question 3.1b.
  You should also indicate the energy-related assessment that has been undertaken for your jurisdiction in column 4. Follow the next steps under section 'Question 3.1b' of this document to successfully report against this indicator.

- If you have selected the indicators of 'Installed capacity of renewable energy sources within local boundary' or 'Total energy generated from renewable energy sources within local boundary' for the regional attribute of **Sustainable Energy**, please select the option 'Energy generation mix data' in column 3 to be presented with question 3.1c. You should also indicate the energy related assessment that has been undertaken for your jurisdiction in column 4. Follow the next steps under section 'Question 3.1c' of this document to successfully report against this indicator.

Question 3.1b

- If you have selected the indicator of 'Source mix of thermal energy (heating and cooling) consumed within local boundary' for the regional attribute of **Sustainable Energy**, please report a value in column 1, as well as report a value for any existing sources of energy consumption from your jurisdiction in columns 3-15, after following the initial steps for this indicator under section 'Question 3.1' of this document.

- Please complete all relevant 'Percentage of total consumption from...' fields where data is available (columns 3 – 15). Where data is unavailable the field can be left blank. Where no thermal energy is consumed from that source, please enter 0 in the field. The percentage values inputted should add up to 100%

(3.1b) Report the total thermal (heating/cooling) energy consumption in MWh and the energy mix used for thermal (heating/cooling) source mix breakdown for energy consumption in your jurisdiction. ❓ 🏷

This question is presented to cities that are shown column 3 'Indicate the energy data for which you can report a fuel/technology mix' in question 3.1, and select the option 'Thermal (heating and cooling) consumption mix data'.

> ❯ Link to question level guidance

Thermal (heating/cooling) consumption ❓

Total annual jurisdiction-wide thermal consumption in MWh^ ❓ : [1,234.56]

Data source used to provide percentage breakdown of consumption by energy type ❓ : [Please select... ⌄]

Percentage of total consumption from coal (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from gas (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from oil (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from nuclear (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from non-renewable electricity (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from renewable electricity (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from bioenergy (inc. biomass and biofuels) (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from solar thermal (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from geothermal (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from waste to energy (solid waste excluding biomass) (%)^ : [1,234.56] [range: 0 - 100]

Percentage of total consumption from waste water heat recovery (WWHR) (%)^ : | 1,234.56 | range: 0 - 100

Percentage of total consumption from other renewable sources (%)^ : | 1,234.56 | range: 0 - 100

Percentage of total consumption from other non-renewable sources (%)^ : | 1,234.56 | range: 0 - 100

Year data applies to :   Please select...

Comment :

0/2400

Question 3.1c

- If you have selected the indicator of 'Installed capacity of renewable energy sources within local boundary' for the regional attribute of **Sustainable Energy**, please report a value (column 1) or a valid notation key (column 2) for all energy sources, after following the initial steps for reporting against this indicator under section 'Question 3.1' of this document. Please note that reporting 'blank', '0' or 'NE' is not compliant with the EAPP assessment badge.

(3.1c) For each type of renewable energy within the jurisdiction boundary, report the installed capacity (MW) and annual generation (MWh).

This question is presented to cities that are shown column 3 'Indicate the energy data for which you can report a fuel/technology mix' in question 3.1, and select the option 'Energy generation mix data'.

> Link to question level guidance

Installed capacity (MW)^ ❓ : | 1,234.56

If you have no installed capacity data to report, please select a notation key to explain why^ ❓ :   ○ Not Occurring (NO)   ○ Not Estimated (NE)   ○ Confidential (C)

Clear selection

Annual generation (MWh)^ ❓ : | 1,234.56

If you have no generation data to report, please select a notation key to explain why^ ❓ :   ○ Not Occurring (NO)   ○ Not Estimated (NE)   ○ Confidential (C)

Clear selection

Year data applies to :   Please select...

Comment ❓ :

- If you have selected the indicator of 'Total energy generated from renewable energy sources within local boundary' for the regional attribute of **Sustainable Energy**, please report a value (column 3) or a valid notation key (column 4) for all energy sources, after following the initial steps for reporting against this indicator under section 'Question 3.1' of this document. Please note that reporting 'blank', '0' or 'NE' is not compliant with the EAPP assessment badge.

Question 3.2

- If you have selected the indicator of 'Percentage of households within the municipality with access to clean cooking fuels and technologies' for the regional attribute of **Sustainable Energy**, please provide a value under column 1 to successfully report against this indicator. Reporting 'Not Estimated' is not compliant.

Reporting to the Affordable Energy Attribute indicators

Question 3.3

- If you have selected the indicator of 'Percentage of households or population within the city boundary that spend up to X% of income on energy service' for the regional attribute of **Affordable Energy**, please select either 'Percentage of households within the jurisdiction boundary that face energy poverty' or 'Percentage of total population within the jurisdiction boundary that face energy poverty' under column 1, and provide a value in columns 2 and 3.

Reporting to the Secure Energy Attribute indicators

Question 3.4

- If you have selected the indicator of 'Percentage of municipality population or households with access to electricity' for the regional attribute of **Secure Energy**, please select the option 'Data available to report' under column 1/Row 1, and report a value in columns 2 and 3.

- If you have selected the indicator of 'Average duration of available electricity' for the regional attribute of **Secure Energy**, please select the option 'Data available to report' under column 1/Row 2 and report a value in columns 2 and 3.

(3.4) Report the following information on access to secure energy for your jurisdiction. 🏷️

> Link to question level guidance

Percentage of population or households with access to electricity

Data availability : ⚪ Data available to report
⚪ Not estimated
⚪ Confidential
[Clear selection]

Indicator^ :

Response value^ :

Year data applies to :

Comment :
[   ]
0/2400

Average yearly final energy consumption per capita

Data availability : 🔘 Data available to report
⚪ Not estimated
⚪ Confidential
[Clear selection]

➡️ Indicator^ : [Please select... ▾]

➡️ Response value^ : [1,234.56]

Year data applies to : [Please select... ▾]

Comment :
[   ]
0/2400

- If you have selected the indicator of 'Average yearly energy consumption per capita' for the regional attribute of **Secure Energy**, please select the option 'Data available to report' under column 1/Row 3 and report a value in columns 2 and 3 to successfully report against this indicator.

(3.4) Report the following information on access to secure energy for your jurisdiction. 🏷️

> Link to question level guidance

Percentage of population or households with access to electricity

Data availability : ⚪ Data available to report
⚪ Not estimated
⚪ Confidential
[Clear selection]

Indicator^ :

Response value^ :

Year data applies to :

Comment :
[   ]
0/2400

How to report to the EAPP Target badge phase

This section of the document will take you through the steps for reporting to the 'Target' badge phase of the Energy Access and Energy Poverty Pillar. Please view Figure 2. of the Annex at the end of this document to see regional attributes and their corresponding GCoM regions and specific targets, as well as which CRF requirements they address.

Question 6.1

Reporting to the EAPP General Target

- All cities from all regional energy attribute(s) must select a general target to report against.
  - o <u>General Target:</u> Local governments shall adopt a target for a quantified relative increase of energy access and/or alleviation of energy poverty towards universal access to energy in alignment with SDG 7. The target shall define the estimated percentage increase of energy access and/or decrease in energy poverty in 2030 in compared to their selected base year.

Reporting to the EAPP specific target:

- Cities should also report against at least one specific target relevant to the regional energy attribute selected by their GCoM region. Please find a list of specific targets and their corresponding regional attributes in Figure 2. of the Annex at the end of this document.

A) *For signatories reporting to the Sustainable Energy Attribute*
1. If your GCoM region has selected the energy attribute of **Sustainable Energy**, you should select and report against at least one of the following specific targets in column 1:
    - Increase the installed capacity of renewable energy sources (RES) within local boundary
    - Increase total energy generated from RES within the local boundary
    - Increase energy consumption from RES
    - Increase the households within the municipality with access to clean cooking fuels and technologies
    - "Improve the greenness" of the source mix of thermal energy (heating and cooling) consumed in your city
- You can also report against any targets found under the highlighted target types circled in red below:

- You can also report against the following targets under the 'Energy poverty/energy access target' type:

*Please use the option 'Other energy poverty/energy access target type, please specify' to report against the specific target of: '"Improve the greenness" of the source mix of thermal energy (heating and cooling) consumed in your city'

2. Moreover, you must also report data in the following columns:
    a. If the target is renewable energy: Columns 3,5,6,7,8,9,10.
    b. If the target is not renewable energy: Columns 3,5,7,8,9,10

3. Additionally, please make sure that in column 9 your target year is equal to or greater than your reporting year, and that your target metric is a percentage.

4. Finally, in 6.1 column 10 'Metric value in target year' GCoM cities must ensure they report the increase/decrease as a **percentage change from the base year.** For example: a 50% reduction/increase relative to 2010. This is a requirement for GCoM validation under the Energy Access and Poverty Pillar.

B)   For signatories reporting to the Affordable Energy Attribute

1. If your GCoM region has selected the energy attribute of **Affordable Energy**, you should select and report against at least one of the following targets in column 1:
    a. Reduce percentage of households or population within the city boundary that face energy poverty
    b. Increase energy efficiency of buildings

-   You can also select any targets under the target type of 'Energy Efficiency':

-   You can also report against the highlighted targets under the target type of 'Energy poverty/energy access target'

2. Moreover, you must also provide a value in columns 3, 5, 7, 8, 9, and 10 to successfully report against the 'Target' badge phase for the **Affordable Energy** attribute.

(6.1) Provide details of your jurisdiction's energy-related targets active in the reporting year. In addition, you can report other climate-related targets active in the reporting year.

> Link to question level guidance and scoring criteria

✖ Delete

* Target type (selection mandatory)^	Please select... ⌄
❷ :	Please select... ⌄
Target description ❷ :	
	0/2500
Boundary of target relative to jurisdiction boundary^ :	Please select... ⌄
Year target was established :	1970 — range: 1990 - 2100
Base year^ :	1970 — range: 1990 - 2200
Metric used to measure target (renewable energy or energy efficiency target)^ :	Please select... ⌄
Metric used to measure target^ ❷ :	
Metric value in base year^ :	1,234.56
Target year^ :	1970 — range: 1990 - 2200
Metric value in target year^ :	1,234.56
Metric value in most recent year data is available :	1,234.56
Percentage of total energy that is renewable in target year ❷ :	
Is this target publicly available? :	Please select... ⌄
Progress made towards target :	

C) For signatories reporting to the Secure Energy Attribute

1. If your GCoM region has selected the energy attribute of **Secure Energy**, you should select and report against at least one of the following targets in column 1:
   a. Increase average duration of available electricity by 2030 in relation to their base year.
   b. Increase the percentage of population or households with access to electricity by 2030 in relation to base year
   c. "Improve" the average yearly energy consumption per capita (without affecting the level and quality of energy services used)

- You can also report to the target types of 'Addressing energy access' and 'Other energy poverty/energy access target type, please specify' (if other energy poverty/access target type is related to secure energy):

(6.1) Provide details of your jurisdiction's energy-related targets active in the reporting year. In addition, you can report other climate-related targets active in the reporting year. 🏷️

> Link to question level guidance and scoring criteria

✖ Delete

* Target type (selection mandatory)^   Energy poverty/energy access target

❓ :   Please select...

Increase average duration of available electricity

Increase the percentage of population or households with access to electricity

Improve the average yearly energy consumption per capita

Target description ❓ :   Reduction in energy poverty (population)

Reduction in energy poverty (households)

Increase access to clean cooking fuels and technologies (population)

Boundary of target relative to   Increase access to clean cooking fuels and technologies (households)
jurisdiction boundary^ :
Addressing energy poverty

Year target was established :   Addressing energy access

Other energy poverty/energy access target type, please specify

2. Moreover, you must also provide a value in columns 3, 5, 7, 8, 9, and 10 to successfully report against the 'Target' badge phase for the Secure Energy Attribute.

(6.1) Provide details of your jurisdiction's energy-related targets active in the reporting year. In addition, you can report other climate-related targets active in the reporting year. 🏷️

> Link to question level guidance and scoring criteria

✖ Delete

* Target type (selection mandatory)^	Please select... ∨
❓ :	Please select... ∨
Target description ❓ :	
	0/2500
Boundary of target relative to jurisdiction boundary^ :	Please select... ∨
Year target was established :	1970 / range: 1990 - 2100
Base year^ :	1970 / range: 1990 - 2200
Metric used to measure target (renewable energy or energy efficiency target)^ :	Please select... ∨
Metric used to measure target^ ❓ :	
Metric value in base year^ :	1,234.56
Target year^ :	1970 / range: 1990 - 2200
Metric value in target year^ :	1,234.56
Metric value in most recent year data is available :	1,234.56
Percentage of total energy that is renewable in target year ❓ :	
Is this target publicly available? :	Please select... ∨
Progress made towards target :	

EAPP Plan

The EAPP 'Plan' badge phase is reported in the same manner regardless of the regional energy attributes selected.

Question 7.1

- Please select the option 'Yes, our jurisdiction has a climate action plan or strategy'.

(7.1) Does your jurisdiction have a climate action plan or strategy that addresses mitigation, adaptation (resilience), and/or energy? ❓ 🏷️
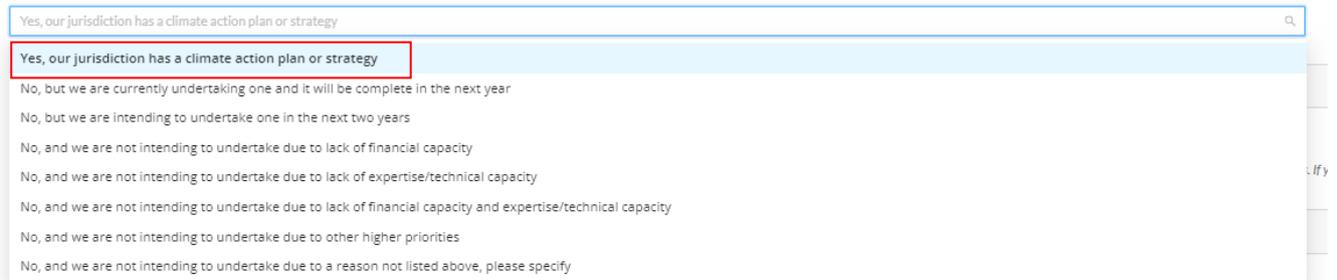
Yes, our jurisdiction has a climate action plan or strategy	🔍

Yes, our jurisdiction has a climate action plan or strategy

No, but we are currently undertaking one and it will be complete in the next year

No, but we are intending to undertake one in the next two years

No, and we are not intending to undertake due to lack of financial capacity

No, and we are not intending to undertake due to lack of expertise/technical capacity

No, and we are not intending to undertake due to lack of financial capacity and expertise/technical capacity

No, and we are not intending to undertake due to other higher priorities

No, and we are not intending to undertake due to a reason not listed above, please specify

Question 7.1a

- Please select one (or more) of the following options involving energy-related plans in column 1:
    - Integrated climate plan (addressing mitigation, adaptation and energy-related issues)
    - Integrated climate plan (addressing mitigation and energy)
    - Integrated climate plan (addressing adaptation and energy)
    - Standalone energy-related plan
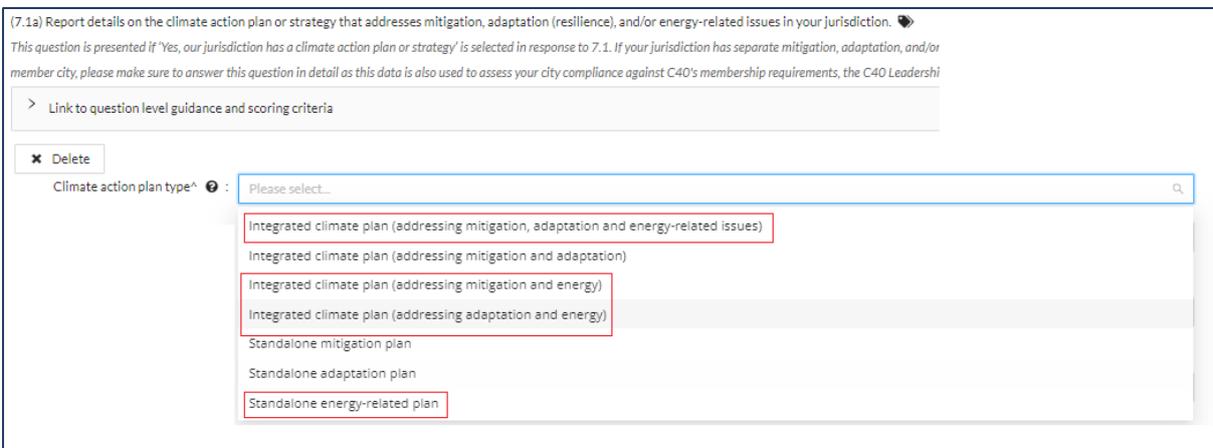
(7.1a) Report details on the climate action plan or strategy that addresses mitigation, adaptation (resilience), and/or energy-related issues in your jurisdiction. 🏷️

This question is presented if 'Yes, our jurisdiction has a climate action plan or strategy' is selected in response to 7.1. If your jurisdiction has separate mitigation, adaptation, and/or
member city, please make sure to answer this question in detail as this data is also used to assess your city compliance against C40's membership requirements, the C40 Leadershi

> Link to question level guidance and scoring criteria

✖ Delete

Climate action plan type^ ❓ : | Please select... | 🔍 |

Integrated climate plan (addressing mitigation, adaptation and energy-related issues)

Integrated climate plan (addressing mitigation and adaptation)

Integrated climate plan (addressing mitigation and energy)

Integrated climate plan (addressing adaptation and energy)

Standalone mitigation plan

Standalone adaptation plan

Standalone energy-related plan

- Then, you must report a value in columns 2, 3, 4, 5, 7, 9, 10, 11, and 12 to successfully submit and report against an energy related plan for the EAPP 'Plan' badge phase.

(7.1a) Report details on the climate action plan or strategy that addresses mitigation, adaptation (resilience), and/or energy-related issues in your jurisdiction. 🏷

This question is presented if 'Yes, our jurisdiction has a climate action plan or strategy' is selected in response to 7.1. If your jurisdiction has separate mitigation, adaptation, and/o member city, please make sure to answer this question in detail as this data is also used to assess your city compliance against C40's membership requirements, the C40 Leadersh

> Link to question level guidance and scoring criteria

Field	Input
Climate action plan type^ ❓ :	Please select... ⌄
Attachment/link and name of plan^ ❓ :	0/2400
* Confirm attachment/link provided to plan (selection mandatory) ❓ :	Please select... ⌄
Boundary of plan relative to jurisdiction boundary^ ❓ :	Please select... ⌄
Processes for monitoring evaluation and updates of plan^ ❓ :	Please select...
Funding sources and financial instruments to finance plan :	Please select...
Communities and organizations engaged^ :	Please select...
Describe if and how climate-related scenarios have informed the plan ❓ :	0/2500
Primary author(s) of plan^ :	Please select...
Assessment of co-benefits, trade-offs and synergies of actions included in plan^ ❓ :	Please select...
Year of formal approval of plan^ :	1970 range: 1990 - 2023
End year of plan :	1970 range: 2010 - 2100
Total cost of implementation of plan (in currency specified in 0.1) :	1,234.56
Sectors covered by action plan :	Please select...
Please explain :	

Question 8.1

- To report an energy-related action for the 'Plan' badge phase of the EAPP, you must first input an action in column 1. In the list options, input your energy-related action by selecting 'Other, please specify' and report the action in the text box that appears.

(8.1) Describe the outcomes of the most significant adaptation actions your jurisdiction is currently undertaking. Note that this can include those in the planning and/or implementation phase.

> Link to question level guidance and scoring criteria

* Action (selections mandatory)^ :   Please select...

Services actions
Educational/Informational actions
Behavioural actions
Economic actions
Laws and regulations actions
Government policies and programs actions
No adaptation action in place
Other, please specify

* Action (selections mandatory)^ :   Other, please specify

Other, please specify

Report your energy related action here   38/250

- Additionally, you must also provide a value in columns 3, 5, 11, 13 (you must select yes), and 14 (selecting 'Action not related to energy access and/or poverty indicator(s)' is **not compliant**) to fully report on your energy related action with full compliance:

(8.1) Describe the outcomes of the most significant adaptation actions your jurisdiction is currently undertaking. Note that this can include those in the planning and/or implementation phase. ❓ 🏷

> Link to question level guidance and scoring criteria

* Action (selections mandatory)^ ❓ :	Other, please specify	⌄
	Other, please specify	⌄
	Energy Related Action	21/250

Climate hazard(s) that action addresses^ ❓ : Please select...

Action description and web link to further information^ ❓ :

0/4000

Sectors adaptation action applies to^ : Please select...

Co-benefits realized^ ❓ : Please select...

Timeframe for which increased resilience is expected to last : Please select... ⌄

Proportion of the total jurisdiction population with increased resilience due to adaptation action : Please select... ⌄

Proportion of natural systems with increased resilience due to adaptation action : Please select... ⌄

Funding source(s) : Please select...

Status of action in the reporting year^ : Please select... ⌄

Inclusion in climate action plan and/or jurisdiction development/master plan^ : Please select... ⌄

Total cost of action (in currency specified in 0.1) ❓ : 1,234.56

Does this action contribute to your jurisdiction's energy access and/or poverty objectives?^ :
- ◯ Yes
- ◯ No
- ◯ Do not know

Clear selection

Select the related energy access and/or poverty indicator(s) for this action, and indicate how they are impacted by the action (i.e. value increased or decreased)^ ❓ :

- ☐ Energy consumption from renewable energy sources (increase)
- ☐ Energy consumption from renewable energy sources (decrease)
- ☐ Source mix of thermal energy (heating and cooling) consumed within local boundary (increase)
- ☐ Source mix of thermal energy (heating and cooling) consumed within local boundary (decrease)
- ☐ Installed capacity of renewable energy sources within local boundary (increase)
- ☐ Installed capacity of renewable energy sources within local boundary (decrease)
- ☐ Total energy generated from renewable energy sources within local boundary (increase)
- ☐ Total energy generated from renewable energy sources within local boundary (decrease)
- ☐ Percentage of households within the municipality with access to clean cooking fuels and technologies (increase)
- ☐ Percentage of households within the municipality with access to clean cooking fuels and technologies (decrease)
- ☐ Percentage of households or population within the city boundary that spending up to X% of income on energy service (increase)
- ☐ Percentage of households or population within the city boundary that spending up to X% of income on energy service (decrease)
- ☐ Percentage of municipality population or households with access to electricity (increase)
- ☐ Percentage of municipality population or households with access to electricity (decrease)
- ☐ Average duration of available electricity (increase)
- ☐ Average duration of available electricity (decrease)
- ☐ Average yearly energy consumption per capita (increase)
- ☐ Average yearly energy consumption per capita (decrease)
- ☐ Action not related to energy access and/or poverty indicator(s)

Question 9.1

- To report an energy-related action for the 'Plan' badge phase of the EAPP, you must first input an action in column 1. Open the list in column 1 and select any energy-related actions your jurisdiction is undertaking. You can either report to any actions under the 'Stationary Energy' and 'Generation of grid-supplied energy' action types, OR, if none of the actions listed under these target types are undertaken by your jurisdiction, you can scroll to the bottom of the list to input your energy-related action by selecting 'Other, please specify' and reporting the action in the text field that appears:

OR

- Then, you must provide a value in columns 2, 9, 12, select option 'Yes' in column 14, and select the related energy assessment indicator in column 15 (selecting 'Action not related to energy access and/or poverty indicator(s)' is **not compliant**):

Estimated emissions reductions (metric
tons CO2e)^ ❓ :

Estimated annual energy savings
(MWh)^ :

Estimated annual renewable energy
generation (MWh)^ :

Co-benefits realized^ ❓ : | Please select...

Funding source(s) : | Please select...

Status of action in the reporting year^ : | Please select... ⌄

Inclusion in climate action plan and/or
jurisdiction development/master plan^
: | Please select... ⌄

Total cost of action (in currency
specified in 0.1) ❓ : | 1,234.56

Does this action contribute to your
jurisdiction's energy access and/or
poverty objectives?^ :
- ○ Yes
- ○ No
- ○ Do not know

Clear selection

Select the related energy access and/or
poverty indicator(s) for this action, and
indicate how they are impacted by the
action (i.e. value increased or
decreased)^ ❓ :

- ☐ Energy consumption from renewable energy sources (increase)
- ☐ Energy consumption from renewable energy sources (decrease)
- ☐ Source mix of thermal energy (heating and cooling) consumed within local boundary (increase)
- ☐ Source mix of thermal energy (heating and cooling) consumed within local boundary (decrease)
- ☐ Installed capacity of renewable energy sources within local boundary (increase)
- ☐ Installed capacity of renewable energy sources within local boundary (decrease)
- ☐ Total energy generated from renewable energy sources within local boundary (increase)
- ☐ Total energy generated from renewable energy sources within local boundary (decrease)
- ☐ Percentage of households within the municipality with access to clean cooking fuels and technologies (increase)
- ☐ Percentage of households within the municipality with access to clean cooking fuels and technologies (decrease)
- ☐ Percentage of households or population within the city boundary that spending up to X% of income on energy service (increase)
- ☐ Percentage of households or population within the city boundary that spending up to X% of income on energy service (decrease)
- ☐ Percentage of municipality population or households with access to electricity (increase)
- ☐ Percentage of municipality population or households with access to electricity (decrease)
- ☐ Average duration of available electricity (increase)
- ☐ Average duration of available electricity (decrease)
- ☐ Average yearly energy consumption per capita (increase)
- ☐ Average yearly energy consumption per capita (decrease)
- ☐ Action not related to energy access and/or poverty indicator(s)

Annex

Figure 1. Reporting to the EAPP in CDP-ICLEI Track: Step by step

EAPP badge phase	Attribute	CRF requirement	CDP-ICLEI Track Question Number
Assessment General principles	Assessment general principle	Local governments shall prepare and submit an energy access and energy poverty assessment within two years after committing to the GCoM. The assessment shall analyse the energy access and energy poverty conditions of the municipality considering three key energy attributes: · Secure energy · Sustainable energy · Affordable energy	NA
	Assessment general principle	The energy access and energy poverty assessment shall provide information on the energy attribute(s) deemed most relevant by each Regional and National Covenant. Region- and country-specific attributes will be made available through regionalized versions of the Common Reporting Framework and communicated by Regional/National Covenant helpdesks. The assessment shall include at least one mandatory indicator for each energy attribute deemed relevant by the local government's respective Regional/National Covenant.	See below
Sustainable energy attribute: The GCoM Regional/ National covenants of Japan, Latin America, Middle East and North Africa, the Republic of Korea, China, and East Asia require cities to report to at least one indicator of this attribute.			
		Energy consumption from renewable energy sources (Sustainable Energy indicator)	3.1
		Source mix of thermal energy (heating and cooling) consumed	

Assessment	Sustainable energy	within local boundary (Sustainable Energy indicator)	3.1 and 3.1b
		Installed capacity of renewable energy sources within local boundary (Sustainable Energy indicator)	3.1 and 3.1c
		Total energy generated from renewable energy sources within local boundary (Sustainable Energy indicator)	3.1 and 3.1c
		Percentage of households within the municipality with access to clean cooking fuels and technologies (Sustainable Energy indicator)	3.2

Affordable energy attribute: The GCoM Regional/ National covenants of Eastern Europe & Central Asia, European Union & Western Europe, North America, the Republic of Korea, and Oceania require cities to report to this attribute.

Assessment	Affordable energy attribute	Percentage of households or population within the city boundary that spending up to X% of income on energy service (Affordable Energy indicator)	3.3

Secure energy attribute: The GCoM Regional/ National covenants of South Asia, Southeast Asia, Sub-Saharan Africa, and East Asia require cities to report to this attribute.

Assessment	Secure Energy	Percentage of municipality population or households with access to electricity (Secure Energy indicator)	3.4
		Average duration of available electricity (Secure Energy indicator)	3.4
		Average yearly energy consumption per capita (Secure Energy indicator)	3.4

The following requirements for the 'Target' Badge Phase regard all regions/attributes chosen.

EAPP Badge Phase	CRF Requirement	CDP-ICLEI Track Question Number
Target	Local governments shall set and report city-wide targets that facilitate energy access and/or alleviate energy poverty for their communities through a composite approach that considers three distinct, yet interconnected attributes: secure energy, affordable energy, and sustainable energy.	6.1
	Local governments shall set their target in line with the universal energy access component of UN Sustainable Development Goal #7 (SDG 7) and set at least one target that facilitates energy access and alleviates energy poverty across the three mentioned characteristics within two years upon joining GCoM or, for signatories that are a GCoM members, upon the activation of the EAPP.	6.1
	Boundary (geographic coverage): The target boundary shall be consistent with the city boundary. Local governments may develop goals jointly with neighbouring signatory(ies). If the boundary is larger than the city boundary, this needs to be specified.	6.1
	Target Setting: Local governments shall adopt a target for a quantified relative increase of energy access and/or alleviation of energy poverty towards universal access to energy in alignment with SDG 7.	6.1
	Target Setting: The target shall define the estimated percentage increase of energy access and/or decrease in energy poverty in 2030 compared to their selected base year. In addition, local governments shall set at least one target that addresses energy access and alleviates energy poverty from the regionally selected energy attribute.	6.1

	Target Year: The target year (the year in which local governments aim to achieve the stated target) shall be aligned with national commitments such as Nationally Determined Contributions (NDC) (where applicable) or as set by Regional/National Covenants.	6.1
	Base year value: The base year shall be the one set within national frameworks or Regional/national Covenants (where applicable or available) or the year used for the energy access and poverty assessment, in which the status of the local government is well documented.	6.1
	Ambition: When setting a target, local governments shall demonstrate commitments to increase in energy access and/or reduction in energy poverty. Local governments shall declare these commitments in their plan(s).	7.1a
	Units: The target shall be reported as a percentage (%) in relation to the base year. If absolute data is available, signatory shall report the percentage in addition to their quantitative data.	6.1

The following requirements for the 'Plan' Badge Phase regard all regions/attributes chosen.

EAPP Badge Phase	CRF Requirement	CDP-ICLEI Track Question Number
Plan	Local governments shall develop plans for climate change mitigation, adaptation (climate resilience) and energy access and/or poverty, which may be presented in separate or integrated form.	7.1/7.1a
	As with mitigation and adaptation plans, EAP stand-alone action plan(s) or the EAP section of an integrated climate action plan shall include the following information:	See below

	Name the local government(s) which formally adopted the plan and the date of adoption.	7.1a
	Lead author team/Action Plan responsible/coordination team in the local governments	7.1a
	Description of the stakeholder engagement processes.	7.1a
	Does this action contribute to your jurisdiction's energy access and/or poverty objectives (Energy access goals)	8.1/9.1
	All actions of priority sectors (identified from energy access and poverty assessments and indirectly from the other pillars' assessments)	7.1a
	Descriptions for each action	8.1/9.1
	Synergies, trade-offs, and co-benefits of mitigation, adaptation actions and energy access.	7.1a/8.1/9.1
	For each action/action area/sector, the action plans shall provide the following information:	See below
	Brief description of the action/action area/sector	8.1/9.1
	Assessment of energy saving, renewable energy production, vulnerabilities tackled, potential (optional) GHG emissions reduction by action.	8.1/9.1
	Related indicators and how the implementation of the action impacts the value of the EAP indicators	8.1/9.1

Figure 2. Reporting to the EAPP 'Target' in CDP-ICLEI Track: Step by step

General Target (All Attributes)
Local governments shall adopt a target for a quantified relative increase of energy access and/or alleviation of energy poverty towards universal access to energy in alignment with SDG 7. The target shall define the estimated percentage increase of energy access and/or decrease in energy poverty in 2030 compared to their selected base year.

In addition, local governments shall set **at least one target** that addresses energy access and alleviates energy poverty **from the regionally selected energy attribute**. Local governments should select their target(s) from the list of targets reported below.

Regional Attribute	Region	Related Specific Targets
Sustainability	Japan Latin America Middle East & North Africa Republic of Korea China East Asia	1. Increase the installed capacity of renewable energy sources (RES) within local boundary. 2. Increase total energy generated from RES within the local boundary 3. Increase energy consumption from RES 4. Increase the households within the municipality with access to clean cooking fuels and technologies 5. "Improve the greenness" of the source mix of thermal energy (heating and cooling) consumed in your city
Security	South Asia Southeast Asia Sub-Saharan Africa East Asia	1. Increase average duration of available electricity by 2030 in relation to their base year 2. Increase the percentage of population or households with access to electricity by 2030 in relation to base year 3. "Improve" the average yearly energy consumption per capita (without affecting the level and quality of energy services used)
Affordability	Eastern Europe & Central Asia Western Europe & European Union North America Republic of Korea Oceania	1. Reduce percentage of households or population within the city boundary that face energy poverty 2. Increase energy efficiency of buildings