

April 25th, 2024

Specifications for the “Fossil fuels accidents in buildings report 2024”

Context:

In April 2024 the EU approved the Energy Performance of Buildings Directive which contains, in its article 13, some provisions that prompt member states to phase out the use of fossil boilers. While a clear, updated definition of such category has still not been presented by the EU institutions, it is safe to say that this category would include all boilers currently running on coal, heating oil, butane, LPG and methane (aka heating gas or natural gas, or simply gas).

These fuels are also used for cooking purposes in buildings, oftentimes in combination with heating.

The intention of the EPBD is to improve the energy efficiency of the heating systems, but this provision deals with a category of products that has created and creates accidents linked to its use daily across the EU.

Hence, moving away from these technologies into solar and heat pumps, where no explosive gases run in open circuit and no combustion takes place is also a matter of improved safety in both domestic and commercial buildings.

Objectives of the report:

This report is meant to raise awareness on the issue of safety around heating and cooking by analyzing the amount and type of accidents related to fossil fuels in buildings that occurred in the last 10 years in the EU, showing the most evident trends, the most affected countries and the comparison between countries with the highest presence of fossil boilers and those with the least presence.

Depending on the available data the analysis will also report on the link between the different technologies and the accidents, the occurrence of such accidents in urban and rural areas and other possible figures to be discussed with the EEB.

Content and methodology:

The report will be based on official data published by either national or European institutions.

For this reason, the work will be divided into two phases

Phase 1: mapping of data sources

Starting with a minimal list of sources provided by the EEB, the Author(s) will expand that database aim at finding the most updated figures for each member state.

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The ideal outcome of this phase is a database of sources that provides consistent data both quantitatively and qualitatively across the Member States, with an historical series of 10 years or more.

Phase 2: Analysing data and writing the report.

In this phase the Author(s) will redact a report that will include

2a) an EU-wide analysis of the major trends related to these accidents (i.e., evolution in time, type of accident, seriousness of the accidents, types of victims, etc.) and at least 5 infographics (charts) expressing the main trends. It will also feature a comparison between different states and

2b) a detailed analysis of the data per country, stressing the same trends that were reported in 2a and the specific evolutions of every single country, particularly in relation to the different types of boilers used. For every country at least 2 charts will be produced (max 2 pages per country).

2c) a methodological annex, reporting the sources of the data.

Deliverables:

The report should be produced under non-proprietary/commonly used formats enabling an immediate dissemination through public relations and social media channels.

The final requested deliverables are:

- A spreadsheet reporting the results of the Phase 1
- A word document containing the document as per Phase 2
- At least 5 Excell charts, based on the data sets to be defined with EEB before the finalisation of the work, to be integrated in the report of phase 2.
- A presentation (roughly 15 slides) to present the report.

Other deliverables can also be suggested within the limits of the budget and timelines and will be a key selection criterion to choose a contractor.

Timelines:

The work should be performed in June 2024. It is expected that the different drafts can be discussed and fine-tuned all through the period.

The deadline to deliver the report is June 30th.

An online event will be organised to launch the report. The author(s) will be requested to attend the event (online).

A preview of the report will be made for the benefit of the EEB members. The author(s) will be requested to attend and present the report.

Both dates will be previously agreed with the authors.

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Budget and payment:

The total budget including VAT (where applicable) and other potential expenses should not exceed **12000€**.

A first instalment of EUR 3000 will be paid when the first deliverable (phase 1) will be provided. The final instalment of EUR 9000 will be paid following the delivery of the report, within 30 days after the delivery of the last invoice by the contractor, and no later than the end of the 2024 fiscal year.

Approach:

While the methodology is to be presented by the potential contractors in their answer to this bid, here are some expectations:

- The author(s) is/are expected to present the overall structure (milestone 1); an early-stage draft of the document 2 (milestone 2) and a finalized version of the deliverables (milestone 3).
- The contractor should be free to associate with any expert and potentially sub-contract part of the work, as deemed most relevant. In that case, direct links between the expert and the EEB can be established to discuss contents and policy recommendations of related brief, however, the contractor should be the sole responsible for ensuring a quality and timely delivery and emit the invoices. The potential contractors should mention in their technical offer to this bid with whom they intend to work.
- If interviews with qualified experts are deemed useful to collect information, data or evidence, they may be referred to in the annex, but should not be the core contents of the report.

Future use of data and briefs:

EEB will have the property of the report.

The report will be published on the Coolproducts.eu website; all design files need to be submitted along with the final work.

The potential contractor shall collect valid document/disclaimers from the participants that enables the sharing and use of the data collected and pictures.

Award criteria:

1- Quality of the technical offer (40%), notably:

Description and relevance of the approach, number of countries that the Author(s) can commit to safely covered in terms of data analysis.

2- Lower budget and ability to meet shorter timelines (10%);

3- Experience on similar works and Curriculum of the contractor/contractor's team, including subcontracted experts (50%).

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Deadline

Please send your offer including the total contract price to:

Davide Sabbadin, Deputy Policy Manager for Climate & energy at davide.sabbadin@eeb.org before midnight on 29th May 2024.