EEB
European
Environmental
Bureau

April 17th, 2023, Brussels

Specifications for an *Analysis of the renewable heating subsidies in Europe and the effects of a ban on gas boilers*

Context:

In December 2020, the European Council has adopted a -55% GHG emissions 2030 target to be enshrined in the EU Climate Law. To achieve such an objective and to be consistent with the Paris agreement, some sectors where decarbonised technology is mature, such as the heating and cooling sector must achieve much higher GHG cuts. In 2021 the JRC of the European Commission has published the report "EU challenges of reducing fossil fuel use in buildings" where a quick phase out of fossil boilers is indicated as essential to achieve 2030's climate targets. Unfortunately, the European Commission has proposed 2029 as a date for the ban of gas boilers in EU in the proposed revision of the *Ecodesign regulation for space and water heaters*, which would not allow for a decarbonisation of the heating sector in line with the Paris Agreement.

Moreover, a large part of the climate objectives included in the National Energy and Climate Plans, that implement the *Effort Sharing Regulation* are based on pathways to decarbonise inter alia, heating and transports: such pathways rely on the quick decarbonisation of the heating technologies.

Finally, in 2022 the Russian invasion of Ukraine has pushed the energy independence agenda of the EU and renewables have been put at the centre of the scene as the key tool to reduce reliance on gas and oil imports.

Objectives of the work:

The objective of this work is to produce a reader-friendly updated version of the "Ban for good"(aka "Out of gas") report that measures the gap in incentives at national level for RES heating, with a focus on household level and a link to the National energy and climate plans.

The report will have two main streams of work:

The **first** will deliver (as chapter 1) an updated map of the existing support schemes for alternative heating systems such as heat pumps and solar thermal in Europe, starting from the ones already mapped in last year's report and on Trinomics latest publications on the matter.

Building on these figures and modelling a typical heating renovation, the report will also calculate (in chapter 2) the gap between the existing incentives and the needed investments, at local and national level.

The **second** one will focus (in chapter 3) on the contribution of a ban of fossil heating in the achievement of both RES targets and independence from energy imports at national level.

Building on these two pillars the report will provide policy suggestions for the NECPs.

The report will be presented in a webinar targeting policy makers.

Content and methodology:

This new report should update the mapping of the incentive schemes to June 2023.

As for the modelling behind the gap calculation, the report will build on the data included in the existing CoolProducts reports and on Eurostat data and existing analysis of the NECPs, among others; It will integrate variables such as the number of installed space and water heaters in the country, the average consumption per capita for space and water heating, degrees/day, the volume of oil and gas imports for heating purposes of each MS, among others.

The report will be divided into three chapters (mapping of existing incentives, analysis of the existing gaps in investments, scenarios of decarbonisation though a ban on fossil heating and suggestions for the NECPs), the work will consist of 2 work packages.

- **WP1**: Chapters 1 & 2
- **WP2**: Chapter 3.

Other data/indexes can also be suggested within the limits of the budget and timelines. The number and quality control of the analyses will be a key selection criterion to choose a contractor.

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 MS word file containing the report.
- A MS excel file containing the data sets the report is based on.
- A set of *excel charts (min 2 per country)* related to effects on NECPs
- A set of *excel charts (min 2 per country)* related to effects on the energy imports
- Two short presentations to present the 2 work packages (approx. 15 slides each).

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 May/June 2023. It is expected that a draft of full report will be provided at least ten days before the end of the work.

The deadline to deliver the WP1 is the June 16th. The deadline for the full report is June 30th.

A coordination meeting will be organised in June to prepare the launch of the report. The author(s) will be requested to attend such meeting.

A presentation/launch of the report will be made to the benefit of the EEB members, ideally in the first half of July. The author(s) will be requested to attend (online) and to present the report.

Budget and payment:

The total budget should not exceed **18000**€, including VAT (if applicable).

A breakdown of the budget allocation per deliverable is desirable. The budget can either be destined to consultant work or be used to finance a master thesis or other study grants. The best value for money will be one of the criteria to select the proposal.

A 50% first instalment will be paid after signing the contract, a second and final instalment will be paid within 30 days from the delivery of the finalised report..

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 of the work and a GANTT analysis of the workflow.

- The contractor should be free to associate with any expert and potentially sub-contract part of the work, as deemed most relevant, but the contractor should be the sole responsible for ensuring a quality and timely delivery and emit the invoices. The potential contractors should describe in their technical offer to this bid with whom they intend to work.

Future use of data and briefs:

EEB will have the property of the report.

The report will be published in the Coolproducts.eu website; all design files, spreadsheet and presentations need to be submitted along with the final report.

Award criteria:

1- Quality of the technical offer (40%), notably:
number of indexes/datasets (regional/municipal), relevance of the proposed formats and related quality control, description, and relevance of the approach

2- Budget and ability to meet timelines (10%).

3- Experience and Curriculum of the contractor/contractor's team, including subcontracted experts (40%).

4- Additional criteria (10%): Design of the charts and report and ability to make them appealing for readers, integration with university studies such as master thesis, grants.

Deadline

Please send your offer including the total contract price to

Davide Sabbadin, Deputy Policy Manager for Climate & Energy Economy at davide.sabbadin@eeb.org before midnight on 28th April 2023.