

## **Terms of Reference**

### **Title: Tuzla sustainable heating alternatives analysis**

CEE Bankwatch Network is looking for a consultant to identify and analyse alternative sustainable heating solutions for Tuzla in Bosnia and Herzegovina.

Bankwatch is working extensively on phasing out fossil fuels in a number of countries, including in the Western Balkan region. As heating is becoming an increasingly important element of achieving decarbonisation, we also focus on looking for sustainable alternatives to coal-based heating. In places like Tuzla, the district heating network is connected to highly polluting coal-based power plants, and individual heating sources are primarily coal or unsustainable biomass (wood). Despite the huge potential for renewable energy sources, very little research exists on mapping such potential and promoting alternatives to fossil fuel-based heating. This study is an attempt to fill in that gap and provide a comprehensive overview of the possible solutions for heating the Tuzla area, as an alternative to the current plans to connect the district heating network to a new coal-based plant. We hope that the study can serve as an example for similar initiatives in other locations throughout the region.

### **Subject of the proposal**

The study should briefly examine the current heating situation in the Tuzla area, and provide an in-depth analysis of potential environmentally and economically sustainable alternatives for heating viable for the medium-long term. The information should be collected with the help of Bankwatch from public sources, from direct contact with stakeholders (by email, online meetings or personal meetings), and with the support of local CSOs.

The objective of the study is to map the potential for sustainable renewable energy sources for heating in the Tuzla area, including solar, geothermal, heat pumps, heat recovery from existing industries, heat storage possibility, and examine the possible energy efficiency measures, as well as network improvements. It should recommend what specific solutions are preferable and realistic. This work is part of the larger focus of Bankwatch on phasing out fossil fuels.

The study is expected to be approximately 100-150 pages long, written in English. Roughly, the study should include the following parts:

1. Executive summary
2. Introduction
  - a. Existing heating situation in Tuzla, with analysis of the current heating demand
  - b. Showing the harmful impact of existing heating methods (e.g. economic non-viability of coal-based heating, health impact of air pollution due to heating)
3. Analysis of potential for alternative heating solutions, based on potential for reducing future heating demand.
  - . supply side (sources) - could include solar, geothermal, heat recovery from existing industrial sources, potential for heat storage, heat pumps, electricity from RES
  - a. demand side - energy efficiency measures
  - b. network improvements
4. Recommendations of preferred solutions

- . benefits for society, environment, etc.
- a. any regulatory, financial (including possible funding), technical issues to be considered in order to implement those solutions.

The consultant will be responsible for drafting the study, and is expected to produce two drafts and a final version. Bankwatch staff will be providing comments on the drafts, and will be responsible for the proofreading, translation, design and distribution of the publication. The study will be published, and the consultant should be willing to be mentioned publicly as author of the study. Based on the study, Bankwatch will also produce a shorter briefing paper for policymakers. The consultant might be required to make a few appearances at events (including local events and topical events such as EnCom webinars) in order to promote the study and its findings. Any such appearances will be organised and costs covered separately.

### Timeline

<i>Date</i>	<i>Task due</i>
30 June	Publishing the call for consultant
15 July	Deadline for submitting offers
22 July	Finalizing the process of selecting the consultant
End of July	Initial coordination call with consultant to set out general outline of the study
August – November	Data gathering, analysis and writing
Roughly 30 November	First draft
1 - 8 December	Round 1 comments
8 December – 31 January	Second draft
1 - 8 February	Final comments

9 – 16 February	Final version revised, formatted
16 Feb – 05 March	Publication design prepared
16 Feb – 05 March	Translation
Beginning of March	Study published

### **Budget**

A maximum of EUR 20,000, out of which EUR 8,000 to be paid upon signing of the contract and the difference upon delivery of the final version of the report.

### **Eligibility**

Experts in the field of sustainable energy, with a background in engineering or similar. They should have extensive knowledge of the heating sector and of renewable energy sources, and at least 10 years of professional experience in these issues. Excellent knowledge of English is required.

### **How to apply**

The offer should contain a CV highlighting the required qualifications and experience, together with a 2-page outline proposal for the study. At least two references should be named who have agreed to support the application. Examples of similar previous work are also welcome in support of the application.

### **Selection**

Candidates should submit their offers by 15 July to [maja.kambovska@bankwatch.org](mailto:maja.kambovska@bankwatch.org)

The selection criteria will include:

- 1) Previous experience in similar projects.
- 2) Quality of project proposal and alignment with requirements to consider only sustainable energy forms.

Only the short listed candidates will be contacted for interviews.