

EPA Support for the Climate Change Advisory Council *Review of the heat sector*

The EPA, on behalf of the Climate Change Advisory Council would like to invite **expressions of interest** from researchers and analysts to conduct a review of the heat sector with a view to informing deliberations of the Council on advice and recommendations to provide to government in 2021. The heat sector includes space and water heating in the residential, public and commercial built environment setting.

Overview

The work should consider mitigation and adaptation within the sector, with a focus on solutions to achieve significant progress towards emissions reductions goals by 2030 and 2050 and enhanced resilience of appropriate heat levels in the built environment in a future climate. It should explore potential co-benefits and trade-offs between other policy objectives in areas such as health and environment. Solutions for mitigation can include:

- removal of barriers to adoption of low carbon technologies
- behaviour change
- identification of suites of policies and measures to reduce emissions
- identification of technologies and pathways, or strategic approaches to skills and technology deployment etc.

Review of successful technologies, policies, measures or strategies employed in other countries to reduce emissions from heat may be useful to inform the work.

Issues of concern with respect to climate adaptation include the preparedness of heat/cooling/ventilation systems in the built environment for projected change in climate.

Cross disciplinary approaches are preferred in order to assist the Council in developing holistic and solution oriented advice. Engagement with stakeholders will be an important part of the work, including experts in the construction/engineering/trade sectors, research and policy/government.

In addition to literature review, the work should include the convening of a workshop¹ on the Heat sector in February 2021 to inform the Council and help focus the work. Regular engagement with the Council Secretariat will be required and also presentation of updates/ final work at 2 to 3 Council meetings.

Work is expected to start in 2020 and continue up to September 2021. The final output should be a working paper on emissions and mitigation in the heat sector to be published on the Council website and presented to the Council.

Budget

A budget of €90,000 is available for this research with 50% disbursed upon award and 50% disbursed on submission and acceptance of the final report.

Expressions of Interest

¹ Note that the workshop is to be held in collaboration and agreement with the Council and its Secretariat.

- Please indicate your response to this call for expression of interest by **5pm 27th October** to info@climatecouncil.ie with the subject line: **Expression of Interest: Heat**
- Please outline a proposed approach to the work (max 250 words). This is to assist us in making arrangements for the evaluation of the final applications. This outline will not be part of the evaluation of applications. Therefore applications can propose and describe a different approach than described in the expression of interest response.

Further deadlines for submissions

Application forms, terms and conditions, and a guide for applicants, will be circulated to those who have responded positively as above by 2pm October 28th. The deadline for submission of complete applications will be **5pm Tuesday 17th November**. Work is expected to begin under this project in December. If you have any questions, please contact info@climatecouncil.ie

Any queries that are not covered in the document please contact info@climatecouncil.ie.