Not applicable

BE24035 - Projections of Climate Risks to Health and Health Services from Extreme Heat: Their Societal Impact and Cost, And the Cost and Effectiveness of Adaptation Measures

Climate Change Committee

F14: Notice for changes or additional information

Notice identifier: 2024/S 000-012081
Procurement identifier (OCID): ocds-h6vhtk-0450cb
Published 12 April 2024, 6:36pm

Section I: Contracting authority/entity

I.1) Name and addresses

Climate Change Committee

1 Victoria Street

London

SW1H 0ET

Contact

Ben Oborne

Email

fmprocurement@uksbs.co.uk

Country

United Kingdom

Region code

UKI - London

Justification for not providing organisation identifier

Not on any register

Internet address(es)

Main address

www.theccc.org.uk

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

BE24035 - Projections of Climate Risks to Health and Health Services from Extreme Heat: Their Societal Impact and Cost, And the Cost and Effectiveness of Adaptation Measures

Reference number

BE24035

II.1.2) Main CPV code

- 73000000 - Research and development services and related consultancy services

II.1.3) Type of contract

Services

II.1.4) Short description

The final date and time for the submission of bids is Wednesday 15th May 2024 at 14:00.

DO NOT apply directly to the buyer.

All tender information MUST be submitted through the Jaggaer eSourcing Portal.

Brief Description of Requirement

UK Shared Business Services Limited (UK SBS) on behalf of the Climate Change Committee (CCC) invite you to this Request for Proposal for Projections of Climate Risks to Health and Health Services from Extreme Heat: Their Societal Impact and Cost, And the Cost and Effectiveness of Adaptation Measures.

The UK Climate Change Act 2008 requires that every five years, the UK government must publish a Climate Change Risk Assessment (CCRA). The Fourth UK Climate Change Risk Assessment (CCRA4) Government Report is due to be published in January 2027.

As part of CCRA4, the CCC will be developing a new output to complement the Technical Report as produced in previous CCRAs. This output - to be known as the 'Well-adapted UK report' (WA report) - will focus on the potential for key aspects of the UK adaptation challenge to reduce the climate risks threatening the achievement of key UK policy and societal outcomes and hence set out a vision for aspects of a well-adapted UK.

This WA report will be informed by a set of commissioned, bespoke analysis projects, in-house CCC analysis and wider external evidence. The analysis will need to be developed collaboratively with decision makers and consider both risk and adaptation interventions as systemically as possible, while focusing on delivering social and economic analysis and evidence at appropriate spatial scales.

This project will focus on heat risks to health. Urban environments and their occupants are likely to be at particular risk of future heat impacts. Urbanisation exacerbates the risk of overheating hazards through the urban heat islands effect, and increases exposure, due to increases in population densities and numbers of built environment assets.

There is limited existing research on the cost-benefit and effectiveness of physical built environment interventions for managing urban heat risks in the UK's urban environment and the subsequent risks to health. The analysis will answer the following questions:

• What are the scale and costs of current and future impacts of extreme weather (primarily heat) on urban areas in the UK?

• What kind of physical adaptation interventions (for new and existing developments) are the most cost-effective for reducing the impacts of extreme heat in urban areas in the UK?

• What kind of building-level adaptation interventions (for new and existing buildings) are required to reduce the impacts of extreme indoor temperatures in urban areas in the UK?

• What might heat-resilient urban landscapes look like across the different parts of the UK?

Please ensure you review all attached information to ensure a full understanding of this requirement. All attachments can be found with the Supplier Attachments tab within the Jaggaer eSourcing Portal.

This contract will be awarded based on the evaluation criteria as set out in the RFP document.

How to Apply

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Section VI. Complementary information

VI.6) Original notice reference

Notice number: 2024/S 000-011512

Section VII. Changes

VII.1.2) Text to be corrected in the original notice

Section number

II.1.4

Instead of

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High temperatures and heatwaves cause heat-related mortality (there were 2,985 excess deaths in 2022 in England) and morbidity. Heat impacts are disproportionately high for vulnerable groups (for example the elderly or those with existing health conditions), due to a combination of exposure, higher sensitivity, and lower capacity to respond (including through support networks). Vulnerable people are more likely to suffer increased fatalities from cardiac and respiratory disease during hot weather and heatwaves. Urban environments and their occupants are also likely to be at particular risk of future heat impacts, with urbanisation increasing the risk of hazards through the urban heat islands effect, and exposure, through growing population densities and numbers of built environment assets. Impacts of extreme heat on healthcare buildings and staff, alongside a potential increased demand for healthcare services will add extra pressure on the NHS and care sector. The number of heat-related deaths in the UK could increase six-fold from a 2007-2018 baseline average estimate of around 1,600 deaths per year, up to 10,000 per year by the 2050s (under a high warming scenario and in the absence of additional adaptation).

There is limited existing research on the impacts of heat across the UK and how

adaptation actions can reduce impacts. This project will aim to answer the following questions:

• What are the scale and costs of current and future impacts on heat-related mortality, morbidity and impacts from heat on health and social care service delivery, particularly on those most vulnerable in society?

• What kind of adaptation interventions are the most cost-effective for reducing these health-related impacts of extreme heat and to what scale can they be deployed across the country by the 2030s and the 2050s?

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