

Question	Answer
Will the tender process include for measurement of complete life cycle of the solution as well as ease of installation for a wider and lower skilled workforce?	The research questions will include an evaluation of the installation process and the potential for scaling this up to a wider deployment.
How would the measures be funded?	All measures within the scope of the project will be funded by the Department.
I am not clear - is the winning contractor expected to have an installer of the measures within the consortia, or only the means to assess the improved homes?	Yes, bidders will need to demonstrate they have the capability within their project team to deliver all of the requirements including installation of measures. This could be within a consortium or through sub-contracts.
How big can a consortium be?	There is no limit.
<p>To clarify: is the overarching research goal to inform HMG advice on the 'right steps' and the 'right order' of steps to decarbonise homes? And so the research questions involve customer experience / sentiment to changes to their home + impacts on their energy consumption from those changes?</p> <p>So to follow up, can I just ask if essentially you're looking for qualitative insights into this roadmap? Context for this question is that we're discussing relatively small sample sizes here. And the relationship between 'installer' and 'customer' will be somewhat artificial due to the need for customers to first opt into the overarching trial. (But please note if my understanding of the 'context' is incorrect.)</p>	One of the research objectives is to develop a methodology for producing net zero ready roadmaps for homes. Building on existing knowledge and methods, the project will aim to create plans for incremental improvements for homeowners to put them on a path to decarbonisation. A number of more detailed research questions around customer experience and their energy consumption will be outlined in the ITT.
<p>In terms of the overall ambition/application of the research - is it gearing up to policy change/intervention, communications/marketing, direct-to-citizen 'change programmes', something else entirely?</p> <p>Does the department intend to use the findings of this research to inform the design of funding routes for owner occupier gas heated homes i.e. future iterations of the LAD scheme?</p>	The project is not targeted at a specific policy but aims to develop evidence for a range of current and future policies for the Department.
Is there an initial study that helped formulate your brief for this project?	The project will build on many existing research studies carried out in the past but not one specific project.
are you planning to use a specific monitoring standard e.g. PAS2035?	PAS2035 will be used to inform both the approach to retrofit and the standards of installation of measures.
Will you expect a VfM analysis to be included in the final report?	Yes
Are you expecting 12 months' analysis post implementation? If so, is the programme long enough?	The aim is to include 12 months worth of data collection following installation of measures, however we recognise this is challenging within the

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	timeline so a minimum of 6 months monitoring will be required.
How would the subset of homes be selected? How would we ensure good engagement with our initial user base?	The approach to recruitment of homes will be open for bidders to propose a methodology and approach. We will outline an indicative sampling scenario in the ITT.
Am I correct in thinking the 1000 homes/participants are to be sourced from an existing database/programme?	We are aware of multiple existing trials which include monitoring of energy consumption in homes, for example, the Smart Energy Research Lab and the Energy Systems Catapult Living Lab. There will be no requirement to source homes/participants from an existing programme but building on existing research is a key objective of the project.
By way of understanding how successful your reach for this project is, please can you share how many connections you have on this call.	We had 66 requests to join the supplier day and 50 individuals attend on the day.
Doesn't the best approach include other fabric measures too - not named?	A limited number of other fabric measures will be in the scope of the project and will be outlined in the ITT.
will you require a software platform to monitor devices in homes	We will require the bidders to design and test a monitoring solution that collects appropriate data to answer the research questions outlined in the ITT. If the supplier's methodology includes a software platform we will need to be able to easily access data or allow easy transfer of data to us.
Will you require a demonstration of capability prior to award to avoid tenders being won based on vapourware	Bidders will need to demonstrate they have the capability to deliver all of the requirements of the project and that any tools used for this purpose are readily available.
is there any emphasis on the location and type of homes?	An indicative scenario outlining the types of homes to be targeted will be included in the ITT. This will focus on owner-occupier homes in houses with solid walls and gas combination boilers. A portion of the sample ~20% should be flats.
What happens if the home owners energy bills increase as a result of decarbonising - who pays for this?	We do not expect any of the measures to result in an increase in energy consumption. The project will not cover any energy costs for the consumers.
Is the technology to stay in the home for monitoring of living standards and wellbeing?	The intention will be for all equipment to remain in the homes at the end of the trial. There will be a requirement to give households the option to have any equipment removed. This should be accounted for in your bids.

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Will we know the geography of selected homes prior to tender? or at least the strategy for selection of the 1000. it will make a difference to cost	No. There will be a requirement to recruit the majority of homes from England and Wales. However, an illustrative sample, including approximate locations will be provided in order to cost on a comparable basis.
will there be a specific subset of devices to collect data from ie a known number of integrations to devices for phase 1	The research questions and proposed methodology will provide an indication of the likely monitoring devices required. However, it will be for bidders to propose their own monitoring solutions.
Is there a standard for the data to be presented/exported?	A specific standard will not be specified. However, we expect all data collected to be reliable, robust and transparent.
Could the ITT period be extended from 5 weeks to support consortia bids?	The final ITT period will be a minimum of 5 weeks.
If we can provide data from additional homes that we have already captured within our software platform would this add value to the study ie as a means of greater benchmarking against more properties monitored.	A key objective of the project is to build on existing research, therefore data from existing trials can be incorporated into the project if it helps answer the research questions.
Who bears the liability for measures in homeowners houses?	The contractor will bear full liability for all works and measures within the trial homes.
Will the Embodied Carbon of the measures be considered as a determining factor?	Embodied carbon will not be a determining factor for which measures are installed within the trial, however, analysing the embodied carbon of those measures will be included in the research questions.
Will a schedule of rates for measures be included in the ITT to assist in allowing for their inclusion in our pricing?	No, an illustrative scenario of number and type of measures will be included but it will be for bidders to propose their costs for delivering these.
Any potential extensions in Scotland in the years to come?	The scope of future phases is yet to be confirmed.
Will there be a maximum no. of Contract Variations or max sum for CVs?	This is a capped price contract, no variations are anticipated.
Will the monitoring equipment be connected to owners wifi?	The design of the monitoring system will be for bidders to determine.
is monitoring of occupant behaviour and comfort/health/wellbeing included in the scope of the monitoring?	Monitoring of occupant comfort and indoor air quality is within scope of the monitoring.
Do you have any more details on the level of monitoring that will be required for different scopes of upgrade works? It would be useful to know what expertise we might need to pull together a comprehensive monitoring plan.	A more detailed description will be provided in the ITT, however we expect all homes to have energy consumption at a home level and internal temperature in at least 2 rooms. For homes which measures are installed, we would expect a combination of the following methods of monitoring; heat meters, heating controls recording set points, electricity sub-meters for

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	specific appliances, indoor air quality monitoring. It will be for bidders to determine an appropriate monitoring methodology to answer the research questions.
We are looking at ways to make the £1m -1.2m stretch to meet the needs of 1000 homes and we understand the expectation to use smaller samples for in-depth monitoring to help achieve this. Is there any expectation, or equally the possibility, for part-contribution from homeowners to extend the budget?	No, there are no expectations for homeowners to fund any portion of the measures within scope of the project.