Heat Pump Ready Stream 1: How to Apply

Science and Innovation for Climate and Energy



Aims of this session

By the end of this session, you should know:

- Where to submit your Stream 1 application
- **How** to submit your Stream 1 application
- When to submit your Stream 1 application

This session will **not** be covering the eligibility, scope or assessment process for Stream 1.

Applicants should refer to Stream 1 Competition Guidance for details on the eligibility, scope or assessment process.



Questions?

Please use the Q&A tab in the live event to ask questions throughout the session.

Note: there is a 2-3 minute delay between the speaker and the audience. If your questions refers to a specific detail on a slide, please include reference to the slide number in your question.

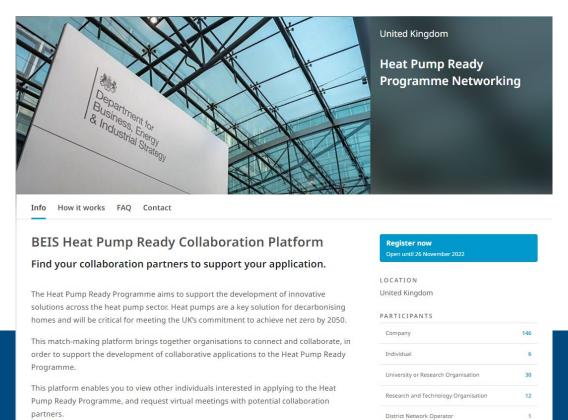
Any questions relating to broader details of Stream 1 should be submitted to heatinnovation@beis.gov.uk by **14:00, Friday 14th January 2022**.

Questions after this deadline will **not** receive a response.



Finding collaboration partners

https://heat-pump-ready-programme-networking.b2match.io/





Supporting Documents

Alongside the competition documentation, BEIS has published two supporting documents:

- Background on innovation needs
- Stakeholder engagement feedback

Applicants can use information within these documents to support their applications, where relevant.

These are available via the Heat Pump Ready Webpage:

https://www.gov.uk/government/public ations/heat-pump-ready-programme



Background on innovation needs

PDF, 937 KB, 106 pages

This file may not be suitable for users of assistive technology.

Request an accessible format.



Stakeholder engagement feedback

PDF, 657 KB, 10 pages

This file may not be suitable for users of assistive technology.

Request an accessible format.

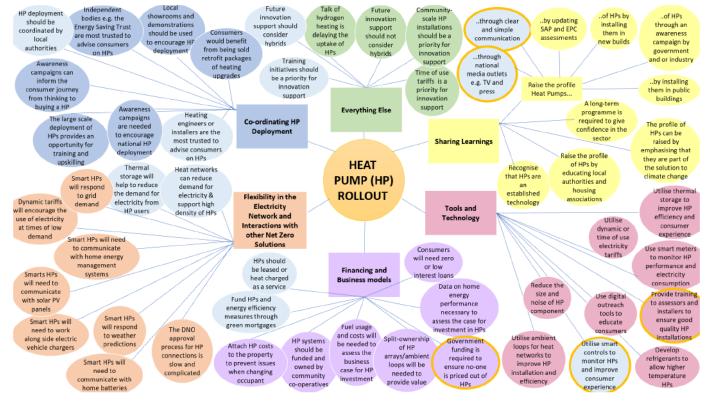
Summary of innovation needs

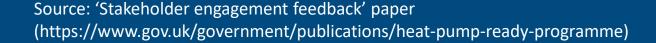
Research Question	Recommendations for future innovation
Question 1 – financial	Trial different finance business models at scale (for example: prosumer business models, heat pump rental models, one-stop-shops, heat-as-a-service, pay-for-performance models, on-bill financing, and PACE financing mechanisms)
innovations	to understand how effective they are and identify the models most suitable for different consumer profiles.
Question 2 – low voltage grid issues	Gather in-situ trial data on the impact of concentrated heat pump deployment on the low voltage grid (with a heat pump penetration level of >20%).
	Future trials to look at how mitigation measures, such as the combining of systems with energy storage and flexible load management, can reduce the impact of heat pump roll out on the LV grid.
Question 3 – roll- out facilitation	Develop tools, methodologies and frameworks to aid the coordination effort across local and national stakeholders (i.e., homeowners, installers, finance providers, local authorities, community groups, electrical network operators etc). Trials and innovation activity that consider all aspects holistically/simultaneously are particularly important.
Question 4 – performance and deployment	Gain a better understanding of how the gap in heat pump performance will benefit from the ongoing monitoring, control and optimisation of individual systems and how innovation, such as 3D printing and modularisation, could help reduce the cost and deliver repeatable as-designed performance levels. Trial different methods of optimising heat pumps post-installation and understand whether interventions such as guidance or regulations could reduce the performance gap.

Source: 'Background on innovation needs' paper (https://www.gov.uk/government/publications/heat-pump-ready-programme)



Summary of stakeholder engagement







Stream 1 Timeline

Activity	Stream 1
Competition is open to applicants	22-Dec 21
'How to apply' webinars	13-Jan 22
Deadline for submitting questions	14:00 on 14-Jan 22
Responses to Questions published	21-Jan 22
Close of Competitions	14:00 on 22-Feb 22
Assessment window*	23-Feb 22 - 22-Mar 22
Grant awards / Contract signed*	April 22
Project start dates*	01-May 22

Deadline for Stream 1 questions is **14:00 tomorrow (14 January 2022).** After this deadline, only technical questions regarding submission of applications will be considered for response.

Response to all questions submitted will be published on the Heat Pump Ready webpage.

https://www.gov.uk/government/publications/heat-pump-ready-programme



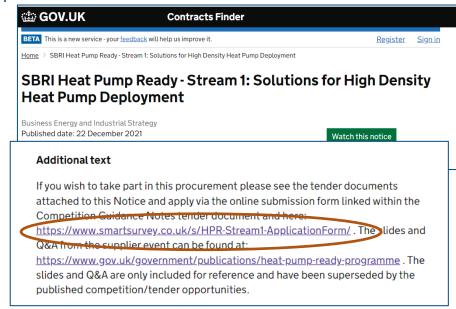
^{*}dates subject to change

Where to apply: Smart Survey

You can find the link to the application form in the following places:

- Stream 1 Competition Guidance Document (Page 22)
- Contracts Finder Notice

C.1. Stage 1: Application Applicants are asked to submit an online competition application form, with supporting information by 14:00, 22nd February 2022. They should explain their proposed approach,



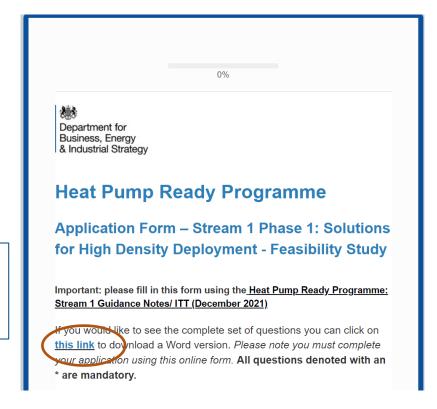


Smart Survey

- All applications must be submitted via Smart Survey
- A Word version of the application is available to download solely to aid your drafting
- Word versions of the application form will not be accepted

Reminder: Use the navigation buttons at the bottom of the form rather than your browser navigation bar – this will prevent you losing what you have already input!

Save and Continue Later Previous Page Next Page





Save and Continue

- You do not have to complete your application all in one go, you do have the option to save your application and return to it at a later date.
- Saved applications are not considered as submitted – make sure you complete and submit your application, right to the end of the survey!



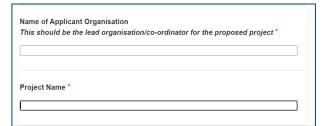
Sections of the application

- The application form is broken down into a serious of sections which align with details in the Stream 1 Competition Guidance.
- Please refer to the Stream 1 Competition Guidance as you are completing your application form

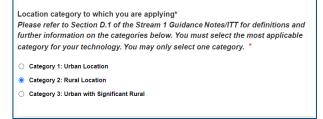
All questions in the survey must be **complete** and in the **correct format** to allow you to progress with the survey.



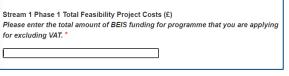
Question types



Short, free text box



Radio buttons – one option only



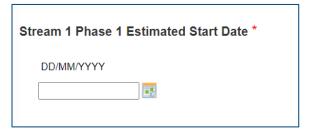
Numbers only

Stream 1 Phase 1 Feasibility Project Duration (months)	
1	6

Sliding bars

Finance Form for Phase 1 here.	
Max upload size per file - 5MB	
Max number of files - 1 *	

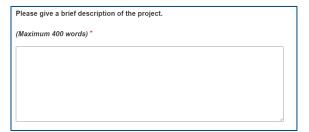
Document upload



Dates

18. How is the lead organisation currently funded? (Choose all that apply) *							
No Funding	Founders (including bank loans)	Friends and Family	Public Sector Grants	Angel Investment	Venture Capital	Private Equity	Stock Market Flotation

Multiple choice



Long, free text box



Eligibility questions

Guidance on where to find more details on the eligibility criteria



Yes or No questions

Where relevant, there may be a requirement to provide further detail



Eligibility Criteria

To be eligible for funding, proposed projects must meet all the following eligibility criteria. Please check the relevant boxes against each eligibility criterion. Please see <u>Section D</u> of the Stream 1 Competition Invitation to Tender issued on Contracts Finder TT for further information.

Applications which fail the Eligibility Criteria will not be assessed further, so it is essential to ensure that your project meets these criteria before you submit your application.

If you have any questions on the eligibility criteria please submit them to heatinnovation@beis.gov.uk

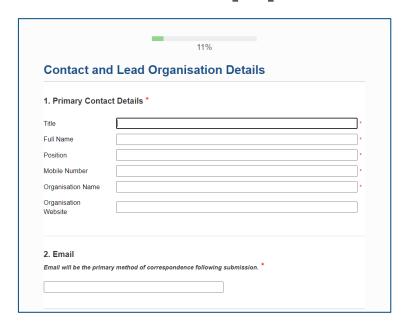
1. Regional Location

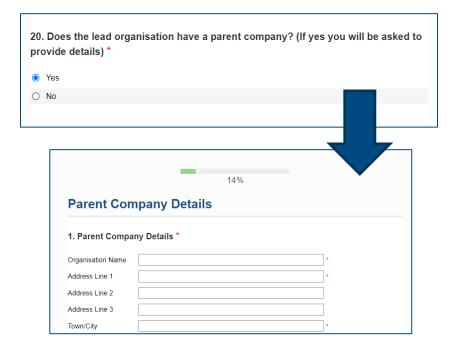
The competition supports the development of methodologies specific to <u>one local administrative unit (LAU) Level 1 area</u>.*

Yes No
1(a) Is the proposed methodology specific to
one LAU Level 1 area?

1(b) What is the LAU Level 1 area for the proposed methodology? (LAU name)

Lead Applicant Details

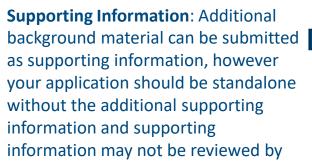




Uploading attachments

There are 2 types of attachments allowable as part of your submission.

Referenced Figures: Please note these attachments must be <u>figures</u> referenced in the text of your application **ONLY.** Any additional text submitted as part of the reference figures will **not** be assessed.





Guidance - Additional Attachments:

Referenced Figures (will be assessed)

The applicant's response must be entered in the text box(es) below where provided. Applicants who wish to support their responses with figures where prompted (e.g. illustrations/PFDs/graphs/charts/schematics) may attach these as part of the **Referenced Figures** single attachment (max. 20MB allowance provided) in the **Further Information** section of this application form. Applicants must clearly label the figures in the attachment and reference the figures in their response within the text box to ensure they are assessed. Any further text submitted within the **Referenced Figures** single attachment will not be assessed.

Supporting Information

Additional letters of support or other **supporting information** can also be submitted in the **Further Information** section before you submit your online application form, where they add background/ supporting information (this could include but not limited to relevant papers, assumptions/ calculations to back up the assertions made in the application) to the application. However, the assessment will be based on the information directly written in the online application; you should not assume that any additional information will be cross-referenced or reviewed as part of the selection process. Applicants may upload up to 4 such attachments (max. 20MB per attachment).





Note: You will not able to download files which you

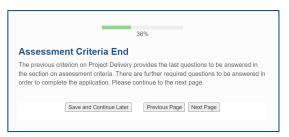
to check they are correct

have uploaded to the survey

Assessment Criteria

Each of the assessment criteria questions has its own page, with corresponding text box to complete the answer.

Please ensure where referencing figures/tables to be included in the 'Additional information' section, that these are clearly referenced and tabled within the attachment.



Reminder: There are more details to complete after the Assessment Criteria!

Criterion 1: Innovative, cost-effective methodology for coordinated high-density deployment of heat pumps within a given location

This criterion will be used to assess the novel approach to coordinated, high density deployment, of heat pumps within a given location in the proposed demonstration project, which the project team is looking to develop in the feasibility phase.

Applicants are expected to:

- . Explain why their methodology is innovative
- Provide evidence to demonstrate that the proposed approach is technically and commercially feasible, providing justifications where appropriate
- . Outline the project expected to be carried out in phase 2, highlighting, including:
 - Their ambition for the number of heat pumps they are expecting to deploy in Phase 2 and their justification for how they will achieve this deployment rate
 - The cost reduction of heat pumps to the consumer and the justification for how they will achieve this cost reduction through their methodology
- Describe the deployment challenges expected to be overcome by the coordinated methodology.
- Describe the approach that will be taken towards consumer engagement
- Detailing the anticipated cost of the Phase 2 methodology trial and how the feasibility study phase will firm up these costs

(Weighting for Criterion 1 – 15%)



Note on Uploads

Criterion 6a: Project team and organisation

Applicants are expected to:

- . Provide an organogram and outline the key roles for each partner.
- Provide
 brief CVs of lead individuals within the project team should be provided in an attachment
 to this criterion (CVs should be no longer than 2 pages each).

To complete this section on Project Delivery please upload a completed CV package and Organogram here.

Max upload size per file - 20MB Max number of files - 2 *

Choose File

You may get error messages on uploads.

Please check you have uploaded the correct number of attachments.

In this instance:

Upload 1 – Organogram

Upload 2 – CV

The system will not accept these submitted as 1 upload and you will not be able to proceed.

Collaborative (Consortia) Applications

- Applications from consortia are welcome.
- Only one submission should be submitted for each separate project application, but all consortium partners are required to sign the completed application form for their project(s) (see Appendix 3, Declaration 2 of the application form).
- If a consortium is not proposing to form a separate corporate entity, the project partners will need to nominate a lead organisation who we will contract with and complete a Consortium Agreement (once a contract has been awarded).
- Please note that BEIS reserves the right to require a successful consortium to form a single legal entity in accordance with Regulation 28 of the Public Contracts Regulations 2006.
- BEIS recognises that arrangements in relation to consortia and sub-contractors may (within limits) be subject to future change. Applicants should therefore respond in the light of the arrangements as currently envisaged and are reminded that any future proposed changes in relation to consortia and sub-contractors must be submitted in writing to BEIS for consideration on a case-by-case basis.

Collaborative (Consortia) Applications

Collaborative Application Is this a collaborative application? If yes you will be asked to provide contact and organisation details for each partner. * Yes No

You will be asked to submit **into the survey** Partner Organisation Details for up to 3 partners.

For applications with more than 3 partners, an additional form will be provided, once the 3rd partner has been entered into the survey, for completion and upload to your application.

Partner 1 Contact and Organisation Details				
You will be able to enter the contact and organisation details for up to 3 partners in this application form. If you have more than 3 partners you will need to enter the contact and organisation details for these additional partners in a separate form. There is a link to it once you have completed the 3rd partner entry in this application form.				
Contact Details				
Title				
Name				
Position				
Email				
Mobile Number				
Organisation Website				
Organization Name	Vou will also be saled a sect			
Organisation Name	You will also be asked about			
	partner organisations parent			
	— company, if applicable.			

Additional Information

Additional Information				
The answer to the following question will only be taken into account once the application has been fully assessed to ensure projects are not double funded.				
Have you applied, or are you planning to apply, for any other government funding for this project? *				
○ Yes				
○ No				
and if Yes, please specify				

Performance Indicators & Benefits

Programme Performance Indicators and Benefits				
The information you provide in this section will not be part of the assessment criteria in moderation				
How would you describe the nature of your innovation project? *				
☐ Product Development				
☐ Hardware Development				
☐ Service Development				
☐ Software Development				
☐ Process Development				
Other (please specify):				
State how many FTE jobs could be retained in your organisation as a result of participation in this project? (enter a number) *				

Public Description of Project

Public Description of the Project The public description of the project should be a brief non-confidential description of the project that BEIS may use in online or printed publications. Please describe the project objectives, key deliverables and the expected project benefits. (Maximum 400 words) *

Further Information Uploads

Further Information

Referenced Figures (will be assessed)

The applicant's response must be entered in the text box(es) where provided in the Assessment Criteria section. Applicants who wish to support their responses with figures (e.g. illustrations/PFDs/graphs/charts/schematics) may attach these here as part of the <u>Referenced Figures</u> single attachment (max. 20MB allowance provided). Applicants must clearly label the figures in the attachment and reference the figures in their response within the text box to ensure they are assessed. Any further text submitted within this attachment will not be assessed.

To complete this section, you may upload referenced figures here.

Max upload size per file – 20MB

Max number of files – 1

Choose File

Supporting Information

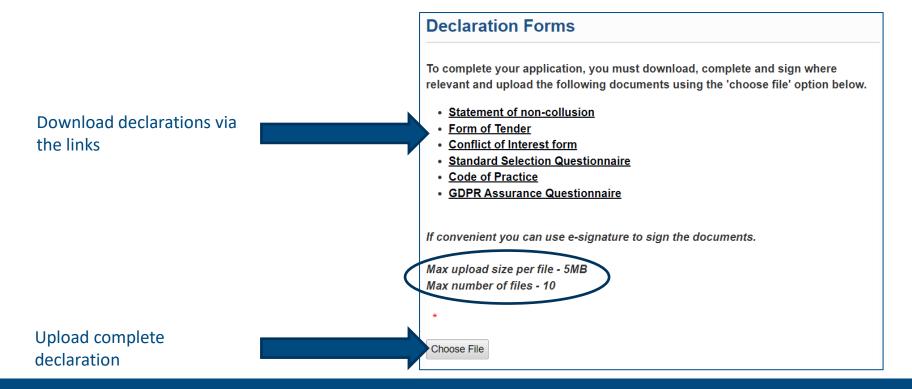
Additional letters of support or other <u>supporting information</u> can also be submitted here before you submit your online application form, where they add background/ supporting information (this could include but not limited to relevant papers, assumptions/ calculations to back up the assertions made in the application) to the application. However, the assessment will be based on the information directly written in the online application; you should not assume that any additional information will be cross-referenced or reviewed as part of the selection process. Applicants may upload up to 4 such attachments (max. 20MB per attachment).

Upload further information documents here.

Max upload size per file - 20MB
Max number of files - 4

Choose File

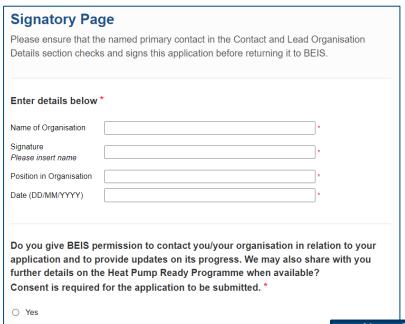
Declaration Submissions



Submissions checklist

Application Form Checklist As well as the completion of this Application Form please check that, if required, you have provided the following information. Yes No Organogram 0 CV package 0 Stream 1 Phase 1 Gantt Chart or Outline \circ Project Plan Stream 1 Phase 1 Key Work Packages Stream 1 Phase 1 Risk Register \circ Project Cost Breakdown / Finance Form 0 Declarations \bigcirc Attached supporting documentation Clearly referenced

Signatory Page & Submission



Thank you for completing your application to the Heat Pump Ready Stream 1 Phase 1 Competition. Once you click on the "Submit Application" button below, your application will be submitted and you can not resubmit. You will be emailed a copy of your submission. Please check your junk folder in case it has not come You will then be asked three questions being collected on a voluntary basis under the Equality Act 2010. After which you will be requested to complete a short evaluation survey designed to help BEIS improve how it runs future competitions within the Net Zero Innovation Portfolio (NZIP). Please note that neither contribute towards the scoring of your application. Eligibility, assessment, and moderation of bids is due to be completed by May 2022 (subject to change and based on the number of applications). Following this, notification letters will be sent out to all applicants informing them of the outcome of the Successful applications will be subject to further due diligence checks before final award. Save and Continue Later Previous Page | Submit Application

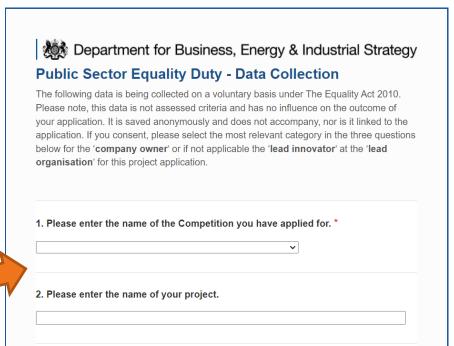
Note: There is **no** application summary page to review before submission – use previous page button to go back through your application



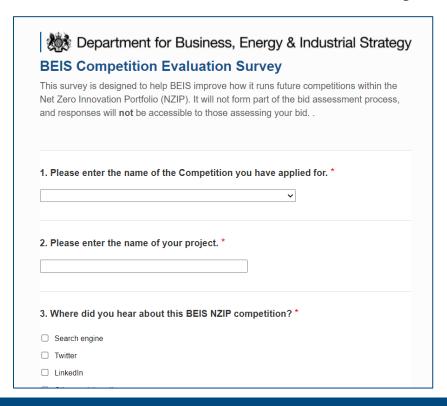
Optional Public Sector Equality Data Collection

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The following sections are voluntary and can be completed **after** the submission deadline.



BEIS Competition Evaluation Survey



Application Submitted

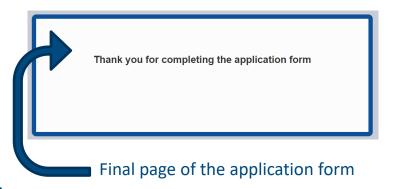
You will receive an email confirmation of your application submission.

This will be from:

BEIS Heat Pump Ready Team <u>heatinnovation@beis.gov.uk</u> Subject line:

BEIS Heat Pump Ready Stream 1 Application Form Submission

Please check your junk folder for this email



Stream 1 Timeline

Activity	Stream 1
Competition is open to applicants	22-Dec 21
'How to apply' webinars	13-Jan 22
Deadline for submitting questions	14:00 on 14-Jan 22
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Close of Competitions	14:00 on 22-Feb 22
Assessment window*	23-Feb 22 -
	22-Mar 22
Grant awards / Contract signed*	April 22
Project start dates*	01-May 22

^{*}dates subject to change

- No submissions, additional material or amendments to applications will be accepted after this deadline.
- Applicants are advised to familiarise themselves with the Smart Survey system ahead of the deadline.
- Applicants should not rely on technical support in submitting their application form close to the deadline.

Reminder – all applications <u>must</u> be submitted via Smart Survey, no submissions will be accepted via email or word document.



Questions?

Note: any questions submitted as part of this webinar regarding the eligibility, scope, assessment process etc. will not be considered as part of this Q&A session. These questions should be submitted to heatinnovation@beis.gov.uk for inclusion in the Heat Pump Ready Programme Q&A response. Questions will **not** be copied across from this session.

