Expression of Interest for Public Sector Decarbonisation Support -

The Midlands Net Zero Hub (MNZH) aims to support public sector organisations to build business cases for project proposals ready to be financed and to access the UK government funding streams, in particular future rounds of the Public Sector Decarbonisation Scheme Fund. This is aimed to be achieved by providing feasibility reports using modelling tools and decarbonisation audits to help public sector organisations identify **energy efficiency, clean heat and renewable generation measures** across the region.

The following support is subject to change depending on procurement processes and BEIS guidelines and included the following support in previous rounds of funding:

1. Portfolio review & discussion – Aimed to understand the current building assets aimed for future PSDS funding within your organisation. This will help to adjust the support to your current Net Zero/Decarbonisation targets.
2. OnGen Expert reports – Renewable Energy feasibility tool to help organisations check the potential of deploying a range of onsite renewable energy generation and storage technologies by producing high quality assessments to support a business case. It can be used to identify equipment sizing, energy costs, carbon savings and to generate new revenue streams (available for Heat pumps, PV arrays, solar thermal and battery storage)
3. Decarbonisation Energy Audits – The aim is to report on the current heating system for any proposed building and will be subject to sufficient budget and availability of energy assessors to undertake audits. This will also be impacted by organisations intent to apply to the next round of PSDS and prioritisation may be given accordingly.
4. Sizing and compliance – After the completion of the previous stages, support will be provided to ensure that the project is compliant to the latest guidance for PSDS funding, this would include discussion about the sizing of equipment, cost and quotations from manufacturers with the aim to comply with the current Carbon Cost Threshold (CCT).
5. Business Case development. A Business Case template is available that has been developed in alignment of the key principles and eligibility criteria of PSDS. The MNZH team can support the development of this template in conjunction with an emerging project proposal.

Key building data and information will be required from participating organisations in order to enable the MNZH to allocate the most suitable tools and modelling software.

This will ensure that the most suitable measures can be identified from the data and information provided. Listed below is the information that we need to determine whether your project could be considered as a pilot. We are asking organisations to complete ONLY if they:

* Are ready with or in advanced discussions to be able access in-house/contractor support to undertake the measures subject to successfully securing funding,
* Have access to or will be able to access building and energy information/data to support an application for funding.
* Should you not have some or all of this information available now or within the timeframes indicated below, we would like to know if you will have it in place by March 2023 in order to consider allocation of support for 2023/24 should further funding become available.

**Guidance – How to get started**

The areas on the checklist represent the minimum data required to allow you to successfully use the support and modelling tools provided via the MNZH to identify energy efficiency/clean heat/renewable generation measures. Finding this data will allow you to make appropriate decisions about the suitability of different types of measures for your buildings and wider estate.

**Future Building Use -** There will be a range of buildings in your estate with different uses. It may be that there were plans in place for their retention/occupation that have or may be uncertain in the light of changing requirements. These could concern the retention/disposal of buildings and/or permanent changes to building hours of occupancy or numbers of occupants.

The important aspect to bear in mind is the potential risk associated with investment to install low carbon measures in buildings that might not be retained. Such measures may also have a significantly longer payback period than anticipated, due to a much lower building energy use than previously because of significant and potentially permanent changes in usage.

**Energy Data -** You will need to find sufficient energy data for each building you are considering installing measures in, to allow an accurate project proposal to be developed, to help secure funding. This will need to be for each relevant energy source. This is typically for:

1. Total amount used over a year

* Electricity consumed or generated on site,
* Energy used for site heating such as electricity, gas, oil, LPG or other heating fuels; and
* Details of energy used by back-up power supply systems, if relevant.

1. Current contract cost

* p/kWh (or p/unit supplied) for each type of energy use; and for electricity – who your regional supplier is (district network operator) as this can affect the cost of other electricity specific charges.

1. Time of energy use

* Ideally Half Hourly metering covering all your energy sources that covers a full year. If this is not available, regular meter readings can be used in place or data can be taken from your bills. (You will need to consider whether to use previous year data if it is more representative of your site, for example, if COVID19 has meant your site has been running at a reduced capacity)

**Building Data -** You will also need building use, occupation, and size data for each building that you are considering installing measures in to allow an accurate project proposal to be produced, allowing you to secure funding. You will need to know:

• The type of use/uses that the building has e.g. office or leisure centre

• The hours of occupation or significant building use if the building is operational continuously

• Any significant energy uses in the building such as air conditioning, server rooms, or other energy intensive plant or equipment.

Site plans and information on the floor areas (including knowing units) for internal spaces will also be required.

**Previously identified & installed measures -** Buildings may have already had some surveys undertaken and measures installed, these along with asset replacement or upgrade plans can also be helpful. They may contain useful information to help identify easily implemented measures. Relevant reports include:

• Old energy efficiency surveys with recommendations,

• Strategies produced with recommendations for locations of generation/clean heat assets,

• Condition surveys with recommendations for replacements,

• Energy Performance Certificates (EPC) Certificates or Display Energy Certificates (DEC) and associated assessments,

• Asset registers and replacement schedules.

**Organisational capacity and senior level support -** To deliver the pilot projects within the given timeframe, it is important to ensure that there is senior level support within the organisation. Furthermore, there is also a requirement that should the pilot projects be given the go-ahead that there are the mechanisms and frameworks in place to support the acceleration of these to an investment ready stage. There is currently no indication of the specific amounts of funding to be allocated for each public sector organisation but the Midlands Net Zero Hub will continue to have discussions with BEIS and Salix and notify you of any potential funding streams.

Please complete the below form

**Expression of Interest Form**

|  |  |
| --- | --- |
| **Contact Details** | |
| Name |  |
| Organisation |  |
| Position |  |
| Email |  |
| Telephone |  |
| Date |  |

|  |  |
| --- | --- |
| **Information** | |
| 1. Number of properties in your portfolio (expected to be owned and/or leased by you for the next 20+ years) |  |
| 1. A) Can you identify those properties with fossil fuel heating systems that are end of life? (PSDS 3b eligibility requirement was replacement of boilers that were 10+ years   B) Are you considering low carbon technologies to replace the has boilers? (e.g. Air Source Heat Pumps, Ground Source Heat Pumps, or connecting to Heat Networks) | Yes / No  Yes / No |
| 1. Do you have Energy Performance Certificates (EPCs) available? | Yes / No / Not for all |
| 1. Do you have any Display Energy Certificates (DECs) available? | Yes / No / Not for all |

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| --- | --- | --- | --- |
| **Previous Requirements** – Do you have access, or the ability to gain access to, the following: | Yes | No | Not Sure |
| 1. Total energy use over a year for each building and relevant fuel type |  |  |  |
| 1. Current contracted energy cost for each building and relevant fuel type |  |  |  |
| 1. Half-Hourly energy use data for each building covering a 12-month period. |  |  |  |
| 1. Do you have any grid connection information? (e.g. Size of supply, Quote from WPD, known capacity issues?) |  |  |  |
| 1. Information on building use(s) |  |  |  |
| 1. Hours of occupation for each building |  |  |  |

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| --- | --- | --- | --- |
| … continue from previous page | Yes | No | Not Sure |
| 1. Information relating to significant energy uses in each building (e.g. air conditioning/specific machinery) |  |  |  |
| 1. Site plans and floor areas |  |  |  |
| 1. If applicable, previously identified information – e.g. from energy surveys, ESOS surveys, specific quotes, energy strategies and asset registers |  |  |  |
| 1. Do you have a planned capital replacement or funded maintenance programme? |  |  |  |
| 1. Is there likely to be an occupancy change in any buildings in the next 12 months? |  |  |  |
| 1. Are you considering shortlisting any protected or listed buildings (grade I or II) as a priority for this support? |  |  |  |

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| --- | --- |
| **Organisational commitment and capability** | Please comment as appropriate |
| 1. Does your Organisation have any Net Zero Targets? |  |
| 1. Do you have the capacity to manage this project and subsequent application to the Public Sector Decarbonisation Fund or other similar schemes?   (Please provide an overview of existing staff that would be supporting the process or any external consultants/contractors etc) |  |
| 1. Do you have senior management support (Head of Service / Director) and / or Councillor support for this project? |  |
| 1. Do you have access, or the ability to access, any frameworks that provide energy efficiency, low carbon heat or renewable electricity? Please provide name(s) of the framework. |  |
| 1. Match funding – is there any secured budget, or associated net zero / sustainability budgets that you can access? (In PSDS 3b, there was a match funding requirement of 12% of total costs) |  |

Thank you very much for taking the time to fill out this form. If you have any questions, please reach out to your regional LEP officer or the PSDS team.

Please save your answers and email this form to [PSDS.MidlandsNetZeroHub@nottinghamcity.gov.uk](mailto:PSDS.MidlandsNetZeroHub@nottinghamcity.gov.uk)