

salix



Scottish Government  
Riaghaltas na h-Alba

# Scotland's Public Sector Heat Decarbonisation Fund: Phase 3

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## Guidance Notes

March 2026



## Contents

<b>1.</b>	<b>Introduction.....</b>	<b>4</b>
1.1	Purpose of these guidance notes.....	4
1.2	Strategic objectives.....	5
1.3	What is new for Phase 3 of The Fund.....	5
<b>2.</b>	<b>Eligibility criteria.....</b>	<b>6</b>
2.1	Eligible organisations.....	6
2.2	Eligible buildings.....	7
2.3	Eligible technologies.....	7
2.4	Eligible costs.....	11
2.5	Applicant contribution.....	11
2.6	Grant timeframes.....	12
<b>3.</b>	<b>Project criteria.....</b>	<b>13</b>
3.1	Strategic approach.....	13
3.2	Key policy priorities.....	13
3.3	Whole building approach.....	14
3.4	Project type.....	14
3.5	Carbon Cost Ratio.....	16
3.6	Current electrical capacity.....	17
<b>4.</b>	<b>Additionality.....</b>	<b>17</b>
<b>5.</b>	<b>Responsibilities &amp; competencies.....</b>	<b>17</b>
<b>6.</b>	<b>Application process.....</b>	<b>18</b>
6.1	Application and supporting documentation.....	18
6.2	Application authorisation.....	20
6.3	Application submission.....	20
<b>7.</b>	<b>Assessment process.....</b>	<b>20</b>
7.1	Clarification.....	21
7.2	Scoring.....	21
7.3	Delivery call.....	22
7.4	Successful applications.....	22
7.5	Unsuccessful applications.....	23
<b>8.</b>	<b>Monitoring requirements.....</b>	<b>23</b>
8.1	First meeting.....	23

8.2	Monthly monitoring.....	23
<b>9.</b>	<b>Payment process .....</b>	<b>24</b>
<b>10.</b>	<b>Timeline.....</b>	<b>24</b>
<b>11.</b>	<b>Further information .....</b>	<b>25</b>
<b>12.</b>	<b>Contact.....</b>	<b>25</b>
<b>Annex A.</b>	<b>Eligible technologies.....</b>	<b>26</b>
<b>Annex B.</b>	<b>General glossary .....</b>	<b>30</b>
<b>Annex C.</b>	<b>Supporting documentation glossary .....</b>	<b>33</b>
<b>Annex D.</b>	<b>Eligible technologies: supporting evidence .....</b>	<b>36</b>
<b>Annex E.</b>	<b>Detailed considerations for Heat Networks .....</b>	<b>37</b>
<b>Annex F.</b>	<b>Examples of eligible projects and required supporting information.....</b>	<b>39</b>
<b>Annex G.</b>	<b>Ineligible costs .....</b>	<b>40</b>

## 1. Introduction

The Heat in Buildings Strategy sets out the Scottish Government's vision for the future of heat in buildings and the actions that must be taken in the buildings sector to deliver on climate change commitments, maximise economic opportunities, and ensure a just transition, including helping address fuel poverty.

Scotland's ambitious climate change legislation sets a target date for net zero emissions of all greenhouse gases by 2045. With interim targets and carbon budgets outline in the Scottish Government's Climate Change Plan to reduce emissions by 57% in 2030, and 69% by 2035 from the 1990 baseline.<sup>1</sup>

With Scotland's 23,000 public sector buildings accounting for around 2.5% of the country's greenhouse gas emissions, the public sector must demonstrate its commitment to transforming Scotland's buildings by taking early and sustained action to decarbonise the public sector estate and improve the energy performance of all public buildings.

As a key part of its work to achieve these emission reduction targets, the Scottish Government introduced Scotland's Public Sector Heat Decarbonisation Fund ('The Fund') which aims to support the public sector in transitioning their current heating systems to low carbon alternatives, and to reduce energy use by utilising a wide range of energy efficiency measures.

The first two phases of The Fund have provided grant funding for local authorities, universities and arms-length external organisations to progress projects that take a whole building approach to decarbonise heating systems and improve the overall energy performance of their buildings. For Phase 3 The Fund also welcomes applications from central government organisations.

### 1.1 Purpose of these guidance notes

This document provides full guidance to applicants for Phase 3 of The Fund. It is structured to support you to understand the scheme, the application and assessment process, and how the scheme will operate.

If you have any questions, please contact [ScotlandGrants@SalixFinance.co.uk](mailto:ScotlandGrants@SalixFinance.co.uk)

The structure of this document is:

- Part 1 sets out the overall strategic objectives of the Fund and what is new for Phase 3.
- Part 2 sets out the eligibility criteria, including eligible organisations, buildings, technologies and costs, the applicant contribution and grant timeframes.
- Part 3 set outs the project criteria, including the project types, the overall strategic approach necessary for applicants, the policy priorities of the Fund, and the Carbon Cost Ratio benchmark and maximum.

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<sup>1</sup> Scotland's Draft Climate Change Plan: 2026-2040, pg.7

- Parts 4 and 5 specify additionality requirements and responsibilities of the applicant.
- Part 6 explains how to apply.
- Part 7 sets out how applications will be assessed, including scoring of applications and allocation of funding.
- Parts 8 and 9 set out how awarded funding will be monitored and paid.
- Parts 10, 11 and 12 set out the timeline for the grant application process, and what to do to seek further information or make contact with Salix.

Additional documents to support your application can be found on the [Salix website](#).

## 1.2 Strategic objectives

The Fund has two strategic objectives:

- To support projects that will replace existing polluting heating systems with clean heating systems.
- To support energy efficiency projects in undertaking a whole building retrofit approach through a construction intervention strategy, and/or broader estate strategy led approach for heat decarbonisation (including connections to heat networks).
  - A key resource to assist in achieving a whole building approach in your project design is the Net Zero Public Sector Buildings Standard, see **section 3.4.2**.

## 1.3 What is new for Phase 3 of The Fund

Phase 3 of The Fund will broadly continue the approach taken in Phases 1 and 2. However, there are some key changes which are designed to maximise the impact of The Fund for the Scottish public sector:

- The scheme is now open to applications from public sector bodies classified by the Office for National Statistics (ONS) as central government (see **section 2.1**).
- Central government bodies will not be subject to the minimum applicant contribution (see **section 2.5**).
- Whilst the required application documents remain the same, there is a new process to submit your application during the application window. (see **section 6.3**)
- Single measure energy efficiency projects are not eligible, and every site included in the application must have more than one energy efficiency measure (see **section 3.3**).
- A Carbon Cost Ratio will still be used and the benchmark limit of £450tCO<sub>2</sub>eLT will remain. However, a maximum upper limit for any application of £1,000 tCO<sub>2</sub>eLT is introduced. (see **section 3.5**).
- We will prioritise projects for funding which deliver heat network readiness or a connection to a heat network, alongside projects which decarbonise non-gas grid builds (see **section 3.2**). Applications covering other decarbonisation

improvements will still be welcome. For further details on how projects will be prioritised for assessment and funding allocation, see **section 7**.

## 2. Eligibility criteria

This section provides detail of eligibility criteria. If you have any questions about whether a project is eligible, please contact the Salix team at [ScotlandGrants@salixfinance.co.uk](mailto:ScotlandGrants@salixfinance.co.uk).

**Annex F** has examples of projects that would be eligible under The Fund, though this list is designed to be indicative and is not exhaustive.

### 2.1 Eligible organisations

All organisations remain subject to the existing procurement rules such as the Public Contracts (Scotland) regulations 2015.

Eligible bodies include:

- Public sector bodies that are subject to the Public Bodies Duties in the Climate Change (Scotland) Act 2009<sup>2</sup>:
  - Local authorities (this includes the local authority estate as well as any educational facilities within their ownership)
    - Please note schools will not be able to make a separate application; this should be covered within the relevant local authority's application)
  - Local authority arms-length external organisations (ALEOs)
    - Please note: these bodies should take a strategic approach to their whole estate and ensure that the same sites are not included in applications submitted by both the ALEO and their parent local authority
  - Universities
- Public bodies classified by the Office for National Statistics (ONS) as Scottish central government:
  - Scottish Government Directorates
  - Executive Non-Departmental Public Bodies of the Scottish Government
  - Executive Agencies of the Scottish Government
  - Non-Ministerial Offices of the Scottish Government
  - Scottish Health Bodies
  - Further Education Colleges
- Please note: Integrated joint boards and integrated partnership organisations will not be able to make separate application(s) in isolation from the public sector organisation they are integrated with. A lead organisation will need to be appointed to make applications, and any site included in the application must be owned by the lead organisation. For example, in the instance of health and social

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<sup>2</sup> These organisations have previously been eligible to apply for the Scottish Energy Efficiency Loan Scheme (SEELS) as they are not influenced by borrowing restrictions.

care partnerships, the proposed sites of the application should be included as part of the application(s) of the local authority or health body who owns the building.

Please note that the following organisations are currently not eligible for this scheme:

- Private sector organisations
- Public corporations
- Registered charities (not included in the classification above)
- Individuals/sole traders

## 2.2 Eligible buildings

Public bodies should align applications with estate rationalisation plans and ensure that funding is only sought for buildings that are planned to remain in ownership and use; this is a priority of the [Infrastructure Investment Plan](#). Evidence will be requested during application to demonstrate that all buildings included in an application will be in the applicant's ownership for the blended useful life of all measures installed as part of the project. Buildings that have adopted the Net Zero Public Sector Buildings Standard and have had their 'Objective 1 Response' formally or provisionally accepted will be deemed to have met this eligibility requirement.

Only existing non-domestic buildings owned by eligible Scottish public bodies can be included in projects. Buildings rented or on short term leases from the private sector are not eligible. Buildings that are currently under PPI/PFI contracts are not eligible.

The eligibility of buildings currently under long term leases will be considered on a case-by-case basis, subject to discussion between Salix and the applicant prior to the submission of their application.

Eligible public bodies that have a long-term lease arrangement for a building(s) from another public body (e.g. local government), in which the lease contract allows cost savings through improved energy efficiency to be passed to the eligible public body, are eligible to apply. As explained in **section 3.3**, each building included as part of the project must have more than one energy efficiency measure.

If you are unclear regarding the eligibility of a building, please contact: [ScotlandGrants@salixfinance.co.uk](mailto:ScotlandGrants@salixfinance.co.uk).

## 2.3 Eligible technologies

The following energy efficiency and heat decarbonisation technologies are eligible:

- Clean heating solutions
- Building Energy Management Systems (BEMS)
- Cooling
- Energy from waste (excluding incineration)
- Heating
- Hot water
- Insulation
- Motors & controls
- Renewable energy
- Swimming pool covers

- Transformers
- Ventilation

A full list of eligible technologies can be found in **Annex A**.

Specific guidance for insulation measures, air-to-air heat pumps, heat networks, and ineligible technologies is provided below.

### 2.3.1. Insulation measures

For applications proposing insulation measures, evidence will need to be provided that evaluates the impact on humidity and ventilation of the building. The inclusion of measures to mitigate these would also be expected where necessary. These design considerations should be described in Step 1.2, **section 3a** of the application form.

### 2.3.2 Air-to-air heat pumps

Air-to-air heat pumps are eligible providing:

- A detailed feasibility study and/or options appraisal show that alternative technologies are not viable
- The building is currently air conditioned and both heating & cooling systems are being replaced by the air-to-air heat pump
- The predominant use of the technology is for heating

If the applicant is proposing to change the distribution system and emitters from wet to air-based, they will need to justify the reasons for this change. This is because changing the system is unlikely to be the most cost-effective solution. Applicants should also provide evidence that the building is currently air conditioned and both heating and cooling systems are being replaced by the air-to-air heat pump and that the predominant use of the technology is for heating.

### 2.3.3 Heat networks

The Fund supports applicants to connect to an existing heat network. However, The Fund does not cover any works on a heat network itself, and in this scenario applicants should refer to the **Scotland's Heat Network Fund**.

Applicants must give due consideration to any heat network zoning conditions that apply to the building(s) in scope of the application. For further information on heat network zones, applicants should refer to the applicable Local Heat and Energy Efficiency Strategies (LHEES) for the local authority area in which the building(s) reside. See section 4.1.1 for further information on LHEES.

For Phase 3, all applicants will need to answer specific questions on the potential to connect buildings in their application to heat networks. This will be used in our assessment of applications and to help ascertain how they align to the policy priorities of The Fund (see **section 3.2**). The information required will depend on whether a heat network connection is feasible now or in the near future and if an application includes connection in this phase.

#### 2.3.2.1 Heat network connection is possible now, and will be connecting in this project

For projects intending to connect to a heat network in this phase, connections to a district heating network will be eligible if the network has a credible pathway to

decarbonisation or the applicant can provide a study that demonstrates a credible route to decarbonising the heat network.

Applicants need to provide the below documents to support applications proposing the connection to district heating:

- A bespoke carbon factor model, showing the predicted path to decarbonisation over the lifetime of the connection.
- Calculations showing heat loss figures for primary pipework connecting the building to the energy centre.
- Network design drawing clearly showing pipelines that will be funded by The Fund. Drawings should also show what is being funded by other schemes.
- Design considerations to minimise thermal losses across the network.
- Water flow and return temperatures for both the existing and proposed system including whether any upgrades will be required.

### 2.3.2.2 Heat network connection is currently possible but not connecting in this project

#### Clean heating projects:

Clean heating projects requesting to install alternative technologies (e.g. heat pumps), when a heat network connection is possible will be ineligible unless they provide reasoning for why they are not considering a connection in this phase of The Fund, and provide detail on the potential impact of future network feasibility.

#### Fabric first projects:

For fabric first projects in a live heat network zone, applicants must provide evidence that they will be connecting to the heat network within the next three years.

For fabric first projects in an indicative heat network zone, applicants must provide evidence detailing their plan to connect to the heat network in the future. If there is not a designated heat network provider, we will accept a letter of intent from the authorising official that details the timeline to connection.

If the evidence is not provided, or up to a sufficient standard the application will be assessed as a standalone fabric first project.

### 2.3.2.3 Projects not proposing a heat network connection, but could potentially connect in the future

Projects not proposing a heat network connection, which are located in an indicative heat network zone, must consider designing their project to enable a future connection and be 'heat network ready'.

'Heat network ready' is defined by:

- Having a wet heating system in place with a centralised heating source and distribution system.
- Installing low temperature heating systems in an accessible location for future incoming and outgoing heat network connection pipes which would enter below the ground.
- Engaging with a heat network operator to ensure the current building's heating system can accommodate a future heat network connection.

- Designing a system that enables a heat network transition that avoids building shutdowns or heat outages.
- Consideration of including fabric measures to reduce the building's heat demand which will improve heat network efficiency.

Further information can be found in **Annex E**.

Projects that are not located in an indicative heat network zone, must provide evidence that confirms this as part of the application.

### 2.3.4 Ineligible technologies

Projects that involve the implementation of technologies reliant on the use of fossil fuels are not eligible. This includes measures such as gas replacement boilers, hybrid heat pumps and combined heat and power technologies that run on fossil fuels, including on a partial basis.

Any projects that involve the new implementation of a polluting heating system are not eligible and will not be accepted. Biomass solutions are ineligible for grant funding.

Applications only proposing indirect carbon<sup>3</sup> savings are not eligible. The project must include fabric first measures saving direct carbon<sup>4</sup> emissions and/or a clean heating system.

LED lighting and related lighting controls are not eligible technologies.

#### 2.3.3.1 New polluting systems or fossil fuel technologies

No new fossil fuel technologies can be implemented using either The Fund or the applicant's contribution. Please contact Salix if you have any concerns around requirements for dual-fuel resilience or back up.

The retention of existing systems is eligible providing:

- There are robust plans to replace the system with a clean heating alternative as part of a construction intervention strategy in line with public sector decarbonisation targets <sup>[1]</sup>. (the foot note is 'to achieve net zero by 2045)
- The polluting heating system is retained for the purpose of providing standby, back up and top up of heating under peak demand conditions. In this case, applications must demonstrate that the existing heating solution is optimised to achieve the maximum carbon benefit through the system's control philosophy.

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<sup>3</sup> **Indirect carbon** refers to the carbon emissions from power generated off site by another organisation. For the vast majority of public sector organisations this will primarily be carbon emissions arising from grid electricity use.

<sup>4</sup> **Direct carbon** refers to the carbon emissions that are emitted either directly within an organisation's site boundary from combustion of fossil fuel, or where district heat networks are used the carbon emissions that are emitted from the combustion of fossil fuel in a district heating plant room. For most public sector organisations this will primarily be fossil fuels (gas, oil and coal) which are combusted on site.

<sup>[1]</sup> To achieve net zero by 2045.

## 2.4 Eligible costs

In this funding call, eligible organisations are limited to one application each, with each application able to request a maximum value of £2.5 million worth of capital funding.

Funding will be offered to cover the capital costs of purchasing, installing and commissioning eligible measures within the grant period.

Only eligible energy measures and enabling works relating to those measures are deemed eligible costs. Costs associated with building maintenance and refurbishment measures are ineligible.

Grant funding is to be used for capital costs incurred up to 31 March 2027. Funding cannot be transferred across financial years, therefore any costs incurred after 31 March 2027 must be covered by the applicant.

Eligible costs include:

- Financial costs incurred for the purchase of physical assets and materials.
- Financial costs of project build, installation, construction and commissioning.
- Financial costs of project management support solely for the capital aspect of the project e.g., external consultancy and management fees.
- Enabling and ancillary works may be included in the application where these are directly linked to the core clean heating system/capital asset being installed.
- Non reclaimable VAT for eligible capital costs.

Below are some examples of the costs that are not eligible to be funded through the grant, nor eligible as the applicant contribution:

- Existing employee costs.
- Resource costs associated with the project, including standalone design costs.
- Costs previously incurred prior to the agreed project start date.
- Costs associated with legislative planning requirements.
- Contingency accounted for in the cost of the project.
- Direct maintenance for whole or components of polluting heating systems.

Costs associated with connecting to the District Network Operator are not eligible to be funded through the grant, however, can be evidenced as part of the client contribution.

For a comprehensive list of ineligible costs please see **Annex G**.

## 2.5 Applicant contribution

The applicant contribution will depend on the type of eligible organisation applying. Eligible organisations are set out in **section 2.1**.

### 2.5.1 Public bodies classified by the Office for National Statistics (ONS) as Scottish central government:

Applicants that are part of Central Government organisations will not be required to contribute to the total eligible project costs listed in the application form.

- Projects must be in such a position that the applicant can claim the full grant amount (100% of the eligible project costs listed in the application form) by the

grant end date of 31 March 2027. Projects may be completed after this date, but any additional project costs will have to be funded by the applicant.

- The Fund can be used to support capital expenditure for completed works that take place within the grant funding period up to the 31 March 2027.
- DNO costs are not eligible to be claimed as part of the grant funding but must still be clearly shown as an item within the application form and supplementary cost evidence, so they are shown to have been considered and can be assessed.
  - If your project includes DNO costs, these should be subtracted from the grant requested in Step 4 of the application form.

### **2.5.2 Public sector bodies that are subject to the Public Bodies Duties in the Climate Change (Scotland) Act 2009:**

Applicants must contribute 20% of the total eligible project costs listed in the application form.

- Projects must be in such a position that the applicant can claim the full grant amount (80% the eligible project costs listed in the application form) by the grant end date of 31 March 2027. Projects may be completed after this date, but any additional project costs will have to be funded by the applicant.
  - The Fund is to be used to support capital expenditure for completed works that take place within the grant funding period up to the 31 March 2027.
- If required, Distribution Network Operator (DNO) costs may be included in the 20% applicant contribution.
- DNO costs are not eligible to be claimed within the 80% grant funding.
- The applicant contribution total value must be evidenced in the applicant's final payment statement of expenditure.
- The minimum applicant contribution can be found in the Step 4: Support Tool of the Scotland's Public Sector Heat Decarbonisation Fund application form. This now includes the actual applicant contribution figure, as a cost and percentage.

## **2.6 Grant timeframes**

Funding is available for the financial year 2026/2027.

- The grant start date will be the date the Grant Offer Letter (GOL) is counter signed by the grant recipient.
- The grant end date is the 31 March 2027. Funding cannot be claimed for works that take place after this date.

Applicants must provide a spending profile in their application which best suits the delivery of the project.

Following application, it is at Salix's discretion to approve any changes to the spend profile during the assessment period.

### 3. Project criteria

Projects submitted for funding must meet the compliance criteria for each aspect listed below. This section provides details on information required which will be collected and assessed via the application form.

#### 3.1 Strategic approach

Applicants must demonstrate that their proposed project is planned as part of a whole building approach through a construction intervention strategy for a credible pathway to decarbonisation, demonstrating that all the scheme criteria have either;

Already been carried out; or,

1. will be achieved by the project for which funding is being applied; or,
2. are covered by high level plans to achieve them in the future.

Applicants must also demonstrate the strategic business need of the project and that the building(s) is an important strategic asset:

- Applicants should provide a convincing case for a sustained need for the building(s) in question.
- Reference should be made to alignment with the applicant's asset strategy, place-based reviews and the priorities of the Infrastructure Investment Plan (IIP).

##### 3.1.1 Local Heat and Energy Efficiency Strategies (LHEES)

Local Heat and Energy Efficiency Strategies (LHEES) are at the heart of a place based, locally led and tailored approach to the heat transition. These local strategies will underpin an area-based approach to heat and energy efficiency planning and delivery. LHEES will set out the long-term plan for decarbonising heat in buildings and improving their energy efficiency across an entire local authority area.

Applicants must consult their applicable LHEES and share details of how their proposed project aligns with the LHEES for the local authority area in which the building(s) reside.

#### 3.2 Key policy priorities

The Scottish Government has key policy priorities for Phase 3 of The Fund, which applicants should take note of when preparing their applications.

##### 3.2.1 Heat networks

The Scottish Government sees heat networks as a central and strategic technology for decarbonising buildings and aims to scale up their use across Scotland as quickly as possible. To support this goal, for Phase 3 applications which deliver heat network readiness or a connection to a heat network will be prioritised.

Applicants will need to answer specific questions on the potential to connect buildings in their application to heat networks. The information required on application will depend on whether a heat network connection is feasible now or in the near future. If an application includes connection in this phase, additional information will also be required, as described in **section 2.3.2**.

### 3.2.2 Non-gas grid connected buildings

Non-gas grid connected buildings are those that are not connected to the main national gas network and rely on alternative fuels for heating. The Scottish Government is committed to supporting the decarbonisation of non-gas grid connected buildings as soon as possible, given their continued use of high-carbon fuels.

For Phase 3, applicants will be required to answer questions on whether they have any buildings within their estate, which are not connected to the gas grid and have boilers coming to the end of their natural life. Information will need to be provided on how the applicant intends to target these buildings, either now using The Fund or in the future. It is expected that plans will refer to an applicant's LHEES where applicable.

### 3.3 Whole building approach

A whole building approach must be considered for every building included in the application. Single measure energy efficiency projects are not eligible, and each building included as part of the project must have more than one energy efficiency measure. Applications that have been deemed as not taking a whole building approach will be rejected.

### 3.4 Project type

The Fund welcomes two project types:

- Fabric first and clean heating system.
- Fabric first only

Applicants will be asked to select the project type on application and should apply the following guidance accordingly for their project type.

#### 3.4.1 Replacing existing polluting heating systems

For clean heating project types, applicants must be using a polluting heating system, (formerly referred to as a fossil fuel system) with a reasonable service age to warrant replacement, and must be replacing it with a clean heating system. Additionally, applicants must be able to demonstrate that the project is deliverable within the agreed grant delivery period, as all grant spend must be incurred during the 26/27 financial year.

#### Evidence required

The preferred supporting evidence is clear, high-resolution photographs of each boiler nameplate, which must clearly display the year of installation. However, the following can also be accepted:

- Clear, high-resolution photographs of each boiler serial number. This should be accompanied by an explanation of how the installation year can be deduced.
- A dated commissioning certificate which includes the boiler make, model and serial number.
- A third-party plant service report, which must clearly display the year of installation or a servicing date. This should also include the boiler make, model and serial number.
- An email from the manufacturer confirming the age based on the serial number.

- A comprehensive asset register could be used; however, it must be supported by further evidence as listed above.

The polluting heating system must be decommissioned before the project completion date, and evidence of this will be required upon completion. In the case where the plant has reached reasonable service age to warrant replacement sooner than would be typically expected (for example, through high operation or poor design), the applicant must set out the rationale and provide a third-party service report to show that this is the case.

### 3.4.2 Whole building and fabric first approach

In designing projects, applicants should:

- Apply a whole building approach comprising energy conservation measures and other works which reduce the heat or electrical demand, considering all factors that contribute to a building's energy consumption.
- Apply a fabric first approach to improving building fabric to the level appropriate for all buildings listed in the application form. Expected measures to be considered include cavity wall insulation, external wall insulation, loft insulation, and glazing.
- Applications that include the installation of a single indirect carbon saving energy efficiency measure (e.g. solar PV) at a singular site, as part of their wider grant application, would not constitute a whole building approach and would not be eligible for funding.

Where the above improvements are omitted from the strategy, applicants must sufficiently demonstrate that they have been considered and are not reasonably viable, including but not limited to where applicants have already implemented an optimal level of insulation in the building(s) included in the scope of the project.

#### Net Zero Public Sector Buildings Standard

A key approach to achieving decarbonisation of existing buildings is through the Net Zero Public Sector Buildings Standard (the Standard), which is a voluntary standard, owned by the Scottish Government.

Applicants should make clear in their submission if the organisation applying for grant funding has considered or registered their project to follow the Standard. If not using the Standard, applicants must provide reasoning as to why it has not been adopted.

Organisations can register for the Standard which would showcase that they are demonstrating a whole building approach. The Scottish Futures Trust are able to provide initial strategic support to projects considering the Standard. For more information, please contact [info@netzerostandard.scot](mailto:info@netzerostandard.scot)

#### Evidence required

Evidence for demonstrating a whole building and fabric first approach should consist of a feasibility study, including a detailed options appraisal. Applicants should have conducted a site survey to feed into an options appraisal, which

shows that all viable options have been explored for building fabric improvements, energy efficiency measures and low carbon heating measures as part of a construction intervention strategy.

### 3.4.3 Energy efficiency technologies

Projects designed to solely retrofit energy efficiency measures are eligible for funding and fall under the fabric first only project type. This option is viable, provided that the application includes fabric improvements accounting for direct carbon savings. Technologies such as cavity wall insulation and double-glazing account for direct carbon savings, whereas technologies such as solar PV are only associated with indirect carbon savings.

For these technologies associated with indirect carbon savings to be eligible for funding, the technology must be accompanied by other direct carbon saving fabric measures and/or a clean heating system at the same building. A full list of eligible technologies can be found in **Annex A** and direct and indirect savings are described in **Annex B**.

## 3.5 Carbon Cost Ratio

A Carbon Cost Ratio (CCR) will be used to appraise the project benefit over the project lifetime. This will be used to assess projects of a similar nature and as a measure of value for money. Efficient projects should achieve £450/tCO<sub>2</sub>e or lower, and this will be the benchmark upon which projects are assessed.

We recognise that there may be circumstances where this level cannot be satisfied, with the CCR surpassing the £450/tCO<sub>2</sub>e benchmark. In these situations, as £450/tCO<sub>2</sub>e is a benchmark and not a threshold, the application will still be considered. However, for Phase 3, **a maximum CCR limit has been set at £1,000/tCO<sub>2</sub>e**. Applicants need to consider including the best measures that will achieve a competitive CCR.

The CCR will be automatically calculated by the Salix support tool included in the application form.

### 3.5.1 Projects exceeding the £450/tCO<sub>2</sub>e benchmark

Where a project exceeds the £450/tCO<sub>2</sub>e benchmark and is also below the £1,000/tCO<sub>2</sub>e maximum limit, the applicant is requested to set out clear reasons for why their project surpasses the benchmark and to justify why some flexibility of the CCR is necessary. Salix reserves the right to determine what constitutes as reasonable flexibility and this may not be provided to all projects that request it. Typical examples could be (but are not limited to):

- Reduced operational hours of buildings, such as schools, whose heating systems are used for less time than other buildings which minimises the amount of carbon that can be displaced, resulting in a higher CCR.
- Rural location of buildings may impact availability and cost of contractors and materials.
- Buildings needing enhanced levels of insulation to support the transition to heat pump solution.

- The introduction of a heat storage system with a heat pump where the principle aims are to use the heat pump system at non-peak times of the electricity grid.
- The introduction of innovative heat solutions, e.g., ground and river source heat pumps, which may in cases be more expensive to implement but are more efficient than other solutions.

Please note that stating any of the above alone will not be sufficient and a good level of detail, including benchmarking, will be required in the application form to support the consideration for a high CCR.

### 3.5.2 Projects exceeding the £1,000/tCO<sub>2</sub>e maximum

Where a project exceeds the £1,000/tCO<sub>2</sub>e maximum limit, they will not be considered for funding above this level. In this scenario, applicants will be notified that their project exceeds the maximum and will be offered the opportunity to revise their client contribution level to bring the CCR to an eligible amount.

### 3.6 Current electrical capacity

At the time of application, applicants need to demonstrate that checks on their current electrical capacity have been undertaken. In doing so, they should look to understand what their maximum electrical capacity is, how close they currently are to reaching that capacity, and what additional capacity requirements, peak demand reduction, load shifting, or demand response are necessary to support a clean heating system.

Where required, applicants should demonstrate they have engaged appropriately with their DNO to facilitate any required upgrade in electrical capacity. If required, applicants must be able to provide this evidence to Salix when requested during technical assessment.

## 4. Additionality

The following must apply to the proposed project for the application to remain eligible:

- The measures concerned are not required to be implemented by law (including building or health and safety legislation) or other relevant legislation such as planning.
- The measures are not being installed with a view to financial gain through a commercial heat supply agreement (other than the reduction of costs through increased energy efficiency).
- The installation of the measures concerned has not begun.
- Full funding for the project or energy efficiency elements of the project has not been agreed via another source.
- In the Scottish Government's reasonable opinion, the project would not take place without the grant support.

## 5. Responsibilities and competencies

The applicant and their partners are assumed to be competent and fully responsible for the projects to be supported by The Fund. This includes, but is not limited to:

- Project identification and development, including establishment of firm costs and calculated estimated savings.
- Reasonable project sequencing and due care to ensure no double counting of carbon savings when considering multiple projects on the same site
- Procurement of the capital project. Procurement routes must be communicated as part of the application process and should demonstrate the selection of suitable supplier(s) following the applicant's procurement procedure.
- Management of the delivery of the capital project.
- Reporting on project progress.
- Post project completion activities including any verification of savings.
- Assessing and mitigating the risk of fraud in the procurement, supply chain and implementation of projects as per the Grant Offer Letter terms and conditions
- Ensuring that all consultants and contractors involved in the provision of services in relation to the proposed project(s) hold and maintain appropriate professional indemnity insurance to cover all the services to be carried out and that copies of the relevant certificates are obtained.
- Ensuring that all professional consultants and/or contractors provide invoices, receipted invoices, and completion certificates (where appropriate) in relation to the services carried out on the project(s) as they may be required for audit of the project(s).
- Ensuring that contractors are delivering projects in line with the grant agreement.
- Engaging with Salix during and on completion of the project, including through surveys which will help Salix continually improve its services.
- Ensuring that accountability for the application, project delivery and governance sit with the Authorising Official and main contact in the grant recipient organisation, and that this cannot be transferred to contractors.

## **6. Application process**

There will be one call for funding in financial year 2026/27 for projects that will complete all capital works supported by The Fund by 31 March 2027.

- Applications will follow a single assessment approach.
- At the point of application, an organisation will typically have set their decarbonisation strategy, undertaken feasibility studies to identify specific project(s), have commenced early design work and be nearing the stage where procurement and/or works are ready to begin to deliver the project(s).
- Applicants must complete all sections of the application form in full.
- Capital funding will be confirmed via Grant Offer Letter (GOL) after successful full assessment of the detailed application.
- The funding will be used to support the implementation of the project through to completion.

### **6.1 Application and supporting documentation**

Applicants can submit one application for this round of funding. Multiple buildings, measures and/or projects can be included in one application, providing that the application is compliant with the scheme criteria.

Private organisations can support the preparation of the application, however the online application must be completed and submitted directly by the public sector applicant, not an external consultant or contractor. Applications submitted by a private organisation will not be accepted.

Once the application has been submitted, there will be no opportunity to provide further information. Please ensure that the application submitted is as robust as possible and includes all mandatory information as a minimum.

The supporting evidence below is requested to support the information provided in the application form. Please see **Annex C** for a full description of the specified documentation.

<b>Essential Documentation</b>	<b>Desirable: Applicants are asked to provide these where available or applicable</b>
<p>Application form</p> <p>Authorising official confirmation - including confirmation of 20% match funding availability</p> <p>Counter fraud authorisation</p> <p>Energy saving calculations</p> <p>Energy Performance Certificates (EPCs)</p> <p>Energy bills</p> <p>Data sheets (essential for clean heating applications only)</p> <p>Letter of intent to local DNO (essential for clean heating applications only)</p> <p>Feasibility study including site surveys, schematics, survey of current heat distribution system, evidence of the efficiency of the existing heating system/s, evidence of existing electrical capacity, evidence of the heated area (m<sup>2</sup>) and evidence of current fossil fuel and electrical energy use</p> <p>Heat Loss Survey and evidence of impact on building heat loss</p> <p>Project costs including, indicative cost of all the measures included in the scope of the project, quotations, costs breakdown and applicant financial contingency (funded</p>	<p>DNO quotations</p> <p>Energy and Carbon Monitoring Report evidencing data through metering, frequency and duration</p> <p>Energy contract</p> <p>Evidence of current fuel costs</p> <p>Firm pricing</p> <p>Heat Decarbonisation Plan (HDP)</p> <p>Metering data</p> <p>Photographic evidence of existing boiler, including manufacturer code and serial number. Where this is not possible, a service report or a maintenance report.</p> <p>Report of building refurbishment</p> <p>Salix Peak Heat Loss Tool or equivalent</p>

<p>through applicant contribution) allocated to the project</p> <p>Project programme</p> <p>Spending profile, allocating the grant value over the remainder of the financial year, and demonstrating that this is most appropriate for the project delivery, while also considering the timeline for the signing of the GOL and the subsequent time required to generate invoices and provide payment evidence.</p> <p>Risk register</p>	
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## 6.2 Application authorisation

All applications must be authorised for submission by an appropriate authorising officer within the applicant organisation (this could include director of finance or chief executive/vice principal). Written confirmation clearly stating the application has received approval from the authorising official is required at time of submission.

For eligible organisations which are not classified as central government (see **section 2.1**), this should include confirmation that the 20% match funding contribution is available for the project. Applications that do not provide this will not be assessed until written confirmation is provided.

## 6.3 Application submission

For Phase 3 we have changed how you will submit your application. If you are considering submitting an application, you are required to register your interest via the Salix website [here](#). This must be the email address used to submit the application. Public sector bodies are allowed to have more than one candidate register their interest, but we will only accept one application per organisation. Private email addresses will not be eligible, therefore we ask that you use the email address linked to your public sector body. Guidance explaining how to submit your documents will be published in due course.

The application window will be open from 2pm on the 24 March, until 2pm on the 29 April 2026. All applications received after this date will not be accepted to the assessment stage. We encourage you to subscribe to our newsletter and attend the related webinars for more information.

## 7. Assessment process

Salix and the Scottish Government want to ensure a fair approach to allocating funding; therefore, a quality-based assessment will be undertaken.

Applications will undergo initial delivery-based quality checks for eligibility and completeness before being progressed into the technical assessment.

The specified mandatory documents are essential for the assessment of the application. Failure to provide all documentation may result in the failure of the application.

## 7.1 Clarification

The technical assessors will conduct their assessment and will only ask for clarifications if a score is unable to be determined. As such, applicants should ensure someone within the organisation can be available to deal with any clarifications during this period. Applicants should endeavour to respond to any queries during the assessment process **within four working days**. Delays to responses may result in the failure of the assessment.

The clarification points will not be an opportunity to provide additional information once the application has been submitted. This is to ensure that there is fairness across the process and that the quality of application is determined from the outset.

## 7.2 Scoring

To ensure Salix allocates funding to applications that are well evidenced and have a strong likelihood of success, each application will be measured against the following five criteria:

Criteria	Weighting within application form
Strategic assessment	20%
Technical feasibility	30%
Financial costs	20%
Project delivery	20%
Social impact	10%
Total	100%

Please refer to the scoring criteria tab of the application form for a breakdown of which questions are applicable to each scoring section.

Each question in the application form will be worth four marks and scored using the following methodology:

<b>0</b>	Response is inadequate. The response fails to demonstrate an ability to meet the requirement.
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<b>1</b>	Response is generally poor. The response addresses some elements of the requirement but contains insufficient/limited detail or explanation to demonstrate how the requirement will be fulfilled.
<b>2</b>	Response is relevant and acceptable. The response addresses a broad understanding of the requirement but may lack details on how the requirement will be fulfilled in certain areas.
<b>3</b>	Response is relevant and good. The response is sufficiently detailed to demonstrate a good understanding and provides details on how the requirements will be fulfilled.
<b>4</b>	Response is completely relevant and excellent overall. The response is comprehensive, unambiguous and demonstrates a thorough understanding of the requirement and provides details of how the requirement will be met in full.

To be eligible for funding, applications must achieve a minimum score of 65% against each scoring criteria. Although a weighted average is applied to determine the final score, each of the five assessment criteria must achieve a minimum 65% score to pass the technical assessment.

Applications that do not meet the minimum requirements will not be considered for funding. Unsuccessful applicants will be provided feedback to assist with future applications to The Fund.

### 7.2.1 Allocation of funding

All applications which pass the technical assessment will be reviewed and considered for funding by Salix and the Scottish Government via a panel. Funding allocation will take into consideration the assessment score and alignment to the strategic priorities of The Fund set out in **section 3.2**.

### 7.3 Delivery call

A delivery call will be scheduled during the assessment stage between the main contact, authorising official and consultants (if applicable) to discuss in further detail the project plans and risk assessment to ensure the project is deliverable within the timescales. This will not contribute to the final score.

### 7.4 Successful applications

Applicants with a successful application will receive a Grant Offer Letter (GOL). The GOL sets out the value of grant funding awarded to the grant recipient, the terms & conditions of the funding, and Schedules relating to the ongoing monitoring of the project and drawdown of grant funds.

The grant start date will be the date the GOL has been signed by the authorising official and returned to Salix. No grant funding can be utilised to capital works which took place prior to the grant start date.

## 7.5 Unsuccessful applications

Feedback will be provided to all applicants in a timely manner, and an appeal process can be started whereby indication of an appeal request is received in writing within seven days from written receipt of the application outcome.

Part of the feedback on projects may include recommendations to apply to alternative, more appropriate, sources of funding for support.

## 8. Monitoring requirements

We aim to facilitate the successful delivery of all approved projects by efficiently administering the scheme. We offer practical support and guidance based on the knowledge acquired from previous projects and from working with a wide range of agencies.

All grant recipients will be allocated a dedicated Salix relationship manager to assist with queries and help support the project. For grant recipients who have larger projects, these meetings may include a senior manager from the Salix team.

The Grant Offer Letter (GOL) sets out how regular contact with Salix will be maintained and what is required from the grant recipient. This will include scheduled meetings, and monthly monitoring reports with updates to risk registers, project programmes and payment profiles.

### 8.1 First meeting

Following the grant award, the relationship manager will seek to arrange a call to discuss the project plan. Key areas to consider are:

- Planning permissions required, and the timetable to achieve these
- Key milestones planned, and risks to successful delivery noted
- Supply chain management and lead times for key equipment and materials
- Internal governance and approval process
- Payment forecast (when the grant recipient will expect to be requesting payments from Salix)
- Distribution Network Operator (DNO) engagement and potential upgrades required

### 8.2 Monthly monitoring

All grant recipients are required to provide Salix with monthly monitoring reports on the project risks and progress towards key milestones during the delivery of the project. The reporting template will be included alongside the Grant Offer Letter. The first report will be due the first month after the Grant Offer Letter is signed and returned to Salix.

Reports should detail updates on the key work that took place that month, the focus for the next month, dates key milestones will be achieved, expected changes to the project programme (cost and/or scope), risks and mitigation measures and the grant drawdown schedule. This, together with monthly meetings between the grant recipient and

relationship manager, will be the key mechanism for tracking progress and risks towards project completion and is a requirement of the grant funding.

## 9. Payment process

Recipients will be able to make payment claims monthly during the delivery and completion of their project and will be encouraged to make regular drawdowns. Grant recipients will be required to forecast payment claims to Salix, with the first payment profile due shortly after receipt of the Grant Offer Letter. Overspend and underspend are strongly discouraged so we ask that all grantees are accurate in their forecasting and payment request value.

The grant will be provided in instalments in the amounts and at the times set out in the payment profile, subject to the following requirements:

- The grant recipient provided to Salix an accurate forecast in line with the forecasting deadlines found in the Grant Offer Letter (GOL)
- Salix must receive a completed payment request accompanied by the supporting documentation to evidence the amount being claimed and proof of payment before any claim for payment can be processed
- The claim for expenditure must be signed by an authorising official from the eligible body
- Full conditions that will be set out in the terms and conditions accompanying the Grant Offer Letter are met

For spend incurred on an applicant's grant project in the 2026/2027 FY, all funds must be claimed from Salix by 31 March 2027. This includes submission of a complete payment request including complete evidence of the amount being claimed and proof of payment. Any underspend across the programme will be transferred back to the Scottish Government at the end of the financial year.

## 10. Timeline

Phase	Action	Date
Application Preparation	Webinars	March 2026
	Application window opens	24 March 2026
Application Assessment	Application window closes	29 April 2026
	Application assessments	April to June 2026
Assessment outcomes	Grant Offer Letters issued	Expected August 2026
Project delivery	Grant start date	Expected late August 2026
	Grant end date	31 March 2027

## **11. Further information**

Further guidance on completing your application can be found on the resources section of the website.

All application information submitted to Salix will be treated in confidence and in line with Salix's privacy policy.

Salix reserves the right to request further supporting information from any applicant where required.

## **12. Contact**

Please contact [ScotlandGrants@SalixFinance.co.uk](mailto:ScotlandGrants@SalixFinance.co.uk) with any questions.

## Annex A. Eligible technologies

<b>Suggested eligible technologies</b>		
<p>The following list sets out the suggested eligible technologies for Scotland's Public Sector Heat Decarbonisation Fund. If projects intend to use technologies that are not listed below, we recommend applicants discuss with Salix prior to submitting their application. Each technology can count towards direct and/or indirect carbon savings and have a defined lifetime and/or persistence factors, all of which contribute to the CCR calculation (£/tCO<sub>2</sub>eLT), shown in the application form guidance tab.</p>		
<b>Project Type</b>	<b>Work Type</b>	<b>Lifetime (years)</b>
<b>Clean Heating system</b>	Air source heat pump (air to water)	20.00
	Air source heat pump (air-to-air)	20.00
	Ground source heat pump	25.00
	Water source heat pump	25.00
	Connect to existing district heating	30.00
	Connect to onsite heat network	30.00
	Hot water - electric point of use heaters	12.00
	Solar thermal	25.00
	Electric boiler	20.00
	Electric heater	10.00
	Electric radiant strip heater	10.00
Electric radiant panel heater	20.00	
<b>Project type</b>	<b>Work type</b>	<b>Persistence factor</b>
<b>Building Energy Management Systems (BEMS)</b>	BEMS - not remotely managed	8.42
	BEMS - remotely managed	8.42
<b>Cooling</b>	Cooling - control system	6.84
	Cooling - plant replacement/upgrade	8.21

	Energy efficient chillers	14.44
	Free cooling	13.68
	Replacement of air conditioning with evaporative cooling	13.68
<b>Energy from waste</b>	Anaerobic digestion	15.20
<b>Heating</b>	Heat recovery	10.83
	Heating - discrete controls	6.84
	Heating - distribution pipework improvements	25.00
	Heating - zone control valves	15.00
	Replace steam calorifier with plate heat exchanger	28.50
	Steam trap replacements	7.30
	Thermal stores	20.00
<b>Hot water</b>	Flow restrictors	14.00
	Hot water - distribution improvements	25.00
	Hot water - efficient showers	8.00
	Hot water - efficient taps	12.00
<b>Insulation - building fabric</b>	Cavity wall insulation	60.00
	Double glazing with metal or plastic frames	28.00
	Dry wall lining	35.00
	External wall insulation	60.00
	Loft insulation	27.00
	Floor insulation - suspended timber floor	30.00
	Floor insulation - solid floor or other type	30.00
	Roof insulation	30.00
	Secondary glazing	7.92

<b>Insulation - draught proofing</b>	Insulation - draught proofing	29.25
<b>Insulation – other</b>	Automatic speed doors	15.00
	Automatic/revolving doors	10.00
	Draught lobby (external)	29.25
	Draught lobby (internal)	29.25
	Radiator reflective foil (external walls)	8.00
<b>Insulation – pipework</b>	Heating pipework insulation (external)	9.00
	Heating pipework insulation (internal)	22.50
<b>Motor controls</b>	Fixed speed motor controls	11.40
	Motors - flat belt drives	11.40
	Variable speed drives	10.26
<b>Motor replacement</b>	Motors - high efficiency	15.00
<b>Renewable energy</b>	Small hydropower	22.80
	Solar PV	22.50
	Wind turbine	17.60
<b>Swimming</b>	Swimming pool covers (manual)	7.92
	Swimming pool covers (motorised)	8.45
<b>Time switches</b>	Time switches	6.84
<b>Transformers</b>	Low loss	30.00
	Transformer tapping change	30.00
<b>Ventilation</b>	Fans - air handling unit	23.75
	Fans - high efficiency	14.25
	Phase change material	23.75

	Ultrasonic humidifiers	7.22
	Ventilation - distribution	30.00
	Ventilation - presence controls	6.84

## Annex B. General glossary

Term	Explanation
Authorising Official	Is an individual from an eligible organisation in a position of authority to approve and sign official and legal documentation associated with the grant and project. For example, this may be a chief executive or financial officer, or another senior official from within the eligible organisation that has delegated authority to approve and sign official and legal requests that are linked to the organisation's project. This individual should be identified and agreed upon before application and should be part of the project governance structure.
Carbon Cost Ratio (CCR)	The funding required to save a tonne of direct carbon (tCO <sub>2</sub> e) over the lifetime of the project.
Direct carbon	Refers to the carbon emissions that are emitted either directly within an organisation's site boundary from combustion of fossil fuel, or where district heat networks are used the carbon emissions that are emitted from the combustion of fossil fuel in a district heating plant room. For most public sector organisations this will primarily be fossil fuels (gas, oil and coal) which are combusted on site.
Fabric first approach	Refers to maximising the performance of the components and materials that make up the building fabric itself, before considering the use of mechanical or electrical building services systems.
Heat Networks	Heat networks supply heating for several buildings in a local area from an external plant room or rooms. The heating is typically transmitted to each building via a network of highly insulated underground hot water or steam pipes. It is also known as heat networks or teleheating. The heat is often obtained from a cogeneration plant burning fossil fuels or biomass, but heat-only boiler stations, geothermal heating, heat pumps and central solar heating are also used, as well as heat waste from nuclear power electricity generation.
Lifetime of measures	Applicants should refer to manufacturer's guidance or industry standard references, such as CIBSE Guide M to help them understand how to assess whether their system is coming to the end of its useful life. This may mean heavily used heating plants are replaced earlier than those receiving less wear and tear, and evidence will be required.

Persistence factor methodology	The persistence factor is the lifetime of the energy efficiency technology averaged to factor in degradation. The persistence factor is used in the calculation of cost to save a tonne of CO <sub>2</sub> e over the lifetime of an application (£/tCO <sub>2</sub> eLT). The persistence factors for individual technologies employed by Salix are based on, and are consistent with, those derived by the Carbon Trust.
Sequencing	Approach taken to input the savings for insulation and clean heating systems. Firstly, each building fabric improvement and/or energy efficiency measure must be phased so that the post kWh links to the next pre kWh. Then the calculated reduced energy consumption should be used as the “current fuel displaced” for the low carbon heating measure, unless all fossil fuels will not be displaced. This will prevent double counting savings or calculating savings beyond the building usage. If the savings from the energy efficiency measures and low carbon solution exceed the building usage, an error message will appear. This approach is to ensure no double counting of carbon savings when considering multiple projects on the same site occurs.
Subsidy control	Subsidy control means the United Kingdom’s international commitments on subsidy control arising from, amongst others, the EU-UK Trade and Cooperation Agreement, World Trade Organisation Membership and commitments arising from international treaties and agreements to which the United Kingdom is a party.
Whole building approach	Where all factors that contribute to a building’s energy consumption are considered together to identify the most cost-effective way to achieve the objective. For example, improving the insulation levels of the building will reduce the overall size of the required heating system and reduce fuel bills. Investment in reducing peak electricity consumption can reduce the need to upgrade the building’s electrical infrastructure necessary to accommodate the installation of a heat pump.
Clean heating system (CHS)	Heating system which produces zero direct greenhouse gas emissions within the curtilage of the building(s) that are subject of the application under normal operating conditions. Examples of technologies included: Air Source Heat Pumps (ASHPs), Ground Source Heat Pumps (GSHPs), Water Source Heat Pumps (WSHPs), and District Heat Networks (DHNs).

Construction Intervention Strategy	Defines the scope of works, set the targets and milestones, and approach to performance measurement that will be achieved by the building's Net Zero Deadline, as part of the approach to following the Net Zero Public Sector Buildings Standard.
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## Annex C. Supporting documentation glossary

Document	Explanation
Authorising official Confirmation	Please refer to Salix website for <a href="#">documentation</a> .
Counter fraud authorisation	Please refer to Salix website for <a href="#">documentation</a> .
Energy saving calculations	<p>Applicants need to provide unlocked energy saving calculations showing the methodology for each measure proposed. There also needs to be commentary on the calculations and any assumptions made included within a summary sheet, and key inputs and outputs should be highlighted. If modelling has been used, this needs to be explained. All of this needs to align with the assumptions and figures used in the feasibility study.</p> <p>After calculations are completed, energy savings need to be sequenced correctly, so as to ensure no double counting occurs.</p>
Feasibility studies	<p>A feasibility study should provide an overview of the building. This will allow applicants to decide whether to proceed, modify the project or abandon it. Through completing a feasibility study, the organisation can gain further understanding of any challenges to the capital works. Feasibility studies should consider:</p> <ul style="list-style-type: none"> <li>• Financial feasibility</li> <li>• Technical feasibility</li> <li>• Legal feasibility</li> <li>• Project delivery and scheduling feasibility.</li> </ul> <p>If designs have progressed since the feasibility study was conducted, applicants must provide further detail on why they are applying for the chosen design if it differs from the feasibility study.</p> <p>Indicative schematics of the existing and proposed system must be provided which detail how the system will operate in the building. Piping and instrumentation diagrams are preferred; high level illustrations are acceptable. Clear site layout drawings would be advantageous, demonstrating the layout of the proposed measures.</p> <p>Site surveys, schematics, survey of current heat distribution system, evidence of the efficiency of the existing heating system/s, evidence of existing electrical capacity, evidence of the heated area (m2) and evidence of current fossil fuel and electrical energy use should be included. These are all</p>

	<p>information Salix expects to receive from applicants in order to conduct the assessment of applications with the purpose of:</p> <ul style="list-style-type: none"> <li>• Capturing the baseline information of the building, existing fabric measures and current heating system.</li> <li>• Comparing with the proposed project demonstrating the benefits provided by the measures implemented.</li> </ul>
<p>Peak Heat Loss Survey and evidence of impact on building heat loss</p>	<p>Evidence for the sizing of the clean heating system must be site specific and include a clear description of the methodology used any assumptions that have been made.</p> <ul style="list-style-type: none"> <li>• For buildings with sub-metering systems and half-hourly data, applicants should use multiple years of data to calculate the peak heat demand, including detailed commentary on the calculations used. All applicants should submit metered data, in the form of utility bills, to support their application.</li> <li>• If sub-metering is not available, the peak heat loss should be calculated by: <ul style="list-style-type: none"> <li>○ Recording the area and U-values (thermal transmittance) of the walls, floors, roof, windows, and doors.</li> <li>○ Measuring fabric and ventilation/infiltration heat losses for the coldest day of the year based on geographic location.</li> <li>○ Using realistic air change rates to estimate ventilation losses.</li> </ul> </li> <li>• The Salix peak heat loss tool is another option to estimate system sizing. Please ensure that all commentary boxes are completed in this tool, with justification for the figures provided.</li> <li>• Industry approved heat loss dynamic simulation software models will also be considered, as long as the software used is credible and data inputs are clearly evidenced. Commentary on the full calculation methodology and outputs should also be provided.</li> <li>• Calculations and details should be provided on how an applicant proposes to meet the peak DHW demand and what strategies are in place in the design of the DHW system to combat legionella, including how storing heated water will impact on this.</li> <li>• For applications including an Air Handling Unit (AHU) system, the total supply air volume, the percentage of fresh air, and the additional AHU heating loads must be provided. The additional AHU loads should be included in the clean heating system's heating loads.</li> </ul>

	<p>As applicants are expected to reduce the heat demand within a building as far as practical and cost-effective before installing the new clean heating system, it is not expected that the size of new heating system in terms of peak heat output will be larger than the fossil fuel heater they are replacing. Applications for clean heating systems with a higher peak heat output than the plant they are replacing will be refused unless a clear, technically sound justification is provided.</p> <p>To size the new clean heating system, the peak heat loss of the building needs to be calculated. For example, this can be done by:</p> <ul style="list-style-type: none"> <li>• Measuring all the fabric and ventilation/infiltration heat losses for the coldest day of the year based on geographic location.</li> <li>• Estimating air change rates that can be used for ventilation rate.</li> <li>• Accounting areas of the walls, floors, roof, windows and doors and their U values.</li> </ul>
Project costs	Indicative costs for all the measures included in the scope of the project, cost breakdowns and applicant financial contingency allocated to the project.
Project programme	A GANTT chart (or similar) clearly displaying the project programme including any contingency.
Risk register	Please refer to Salix website for preferred template.
Applicant financial contingency allocated to the project	Document highlighting the contingency value that is not included in the project/grant costs, any document type is accepted, a word or excel document for example.

## Annex D. Eligible technologies: supporting evidence

Technology	Supporting evidence
Air to water heat pumps	Applicants must consider how ASHP will work – ensuring concept designs are based on real life assumption not just manufacturer data. As different refrigerants have different global warming potentials and risk, applicants will need to justify their chosen refrigerant as well as outlining how risks will be mitigated and leak detection plans.
Air to air heat pumps	If the applicant is proposing to change the distribution system and emitters from a wet to air-based they will need to justify the reasons for this change. This is because changing the system is unlikely to be the most cost-effective solution. Applicants should also provide evidence that the building is currently air conditioned and both heating & cooling systems are being replaced by the Air-to-air heat pump and that the predominant use of the technology is for heating.
Ground source heat pumps	The feasibility study must include a geological conditions or ground survey to show suitability of a ground source heat pump. The applicant should indicate whether boreholes or horizontal collectors are to be used and the reasons for the selection. The location and quantity/area of the array needs to be evidenced. If the boreholes are to be underneath operating areas of a site, applicants will need to show how disruption of the site will be managed.
Water source heat pumps	Applicants proposing an open loop water source heat pump need to provide relevant planning permissions, such as abstraction or discharge, from the Environment Agency. For both open and closed loop systems a map of the water source that shows the location of the boreholes and pipework should be provided.
Hot water – electric point of use heaters	Applicants will need to provide a breakdown of the sizing for each heater and why the domestic hot water cannot be connected to the clean heating system.

Electric boiler	Applicants will need to provide evidence on why electric boilers are the most viable and cost-effective solution; this is because of differences in efficiency and the effect on the operating costs and on the electricity grid compared with other clean heating options
Solar thermal	Evidence of the orientation of the solar array and that utilisation has been taken into account within the energy saving calculations.
Electric radiator panel heaters	Applicants should provide a room-by-room breakdown of the heaters and how the sizing is suitable for the space. The cost effectiveness and impact on the electricity grid should be considered.

## Annex E. Detailed considerations for Heat Networks

Technology	Considerations
General building level measures	<ul style="list-style-type: none"> <li>• Heat emitters/underfloor heating designed for the temperature of the heat network or lower temperatures in the absence of a heat network operator. -</li> <li>• Appropriate level of fabric insulation to ensure that heat from the heat network is used efficiently and enable low return temperatures.</li> <li>• Variable flow pumping systems to help with lower return temperatures (i.e. inverter driven pumps, removal of unnecessary low loss headers, replace 3 port control valves with pressure independent control valves (PICVs) or equivalent, close any open bypasses). <ul style="list-style-type: none"> <li>• Other insulation, for example draught proofing or draught lobbies.</li> </ul> </li> <li>• Monitoring of building heat load on a half hourly basis so that required heat network connection size can be accurately determined</li> </ul>
Space for future operating equipment	<ul style="list-style-type: none"> <li>• Heat network connection substation inclusive of: <ul style="list-style-type: none"> <li>○ Heat exchanger.</li> <li>○ filtration, valves, pumps and controls.</li> <li>○ Heat meter.</li> </ul> </li> <li>• This equipment will generally be located within the plant room</li> </ul>
Planning for future pipework connections	<ul style="list-style-type: none"> <li>• Routes for foundation level sleeved pipe routes into the building / plant room.</li> </ul>

	<ul style="list-style-type: none"> <li>• Reserved/safeguarded pipe routes to the interface with the building system (heat network substation).</li> <li>• Pre-formed underground service ductwork runs/access points.</li> <li>• Optimisation of existing pipe runs to minimise pipework length.</li> <li>• Insulated internal heat distribution pipework.</li> <li>• Space for risers/lateral pipework.</li> <li>• Any pipework installed ahead of need is adequately maintained.</li> </ul>
Flow/return temperature design	<ul style="list-style-type: none"> <li>• Heating system designed to minimise the flow and return temperatures to help ensure efficiency of the wider network is maintained.</li> <li>• Use of weather compensation on heating systems to lower average return temperatures.</li> <li>• Hot water generation equipment that is designed to achieve low return temperatures.</li> <li>• Where the operating temperature of the heat network is lower than the building's needs, space will be needed for equipment to boost the temperature.</li> </ul>
Future connection	<ul style="list-style-type: none"> <li>• Scope to move efficiently from the existing to new heat provider (e.g. avoiding long-term energy or asset contracts which don't have suitable break or variation clauses to enable cost-effective transfer).</li> <li>• Design to minimise disruption to building users/others in the locality</li> </ul>

## Annex F. Examples of eligible projects and required supporting information

The following list is not exhaustive of all eligible projects and should be used as a guide to what projects are expected to entail. An additional supplementary guidance document can be found on the Salix website with more advice on how to apply.

- Replace polluting heating systems with clean heating systems in buildings where appropriate energy efficiency works have already been carried out.
- Develop a strategic approach (whole building retrofit) to a number of sites where both energy efficiency measures are to be installed alongside polluting heating system replacements.
- Install energy efficiency works in a building to enable connections to a heat network where this connection can be evidenced as committed to by the applicant.
- Install energy efficiency works in a building to enable a clean heating system to be installed at a later date, where the future installation can be evidenced as being committed to by the applicant.
- Install energy efficiency works in a building which already has a clean heating system or a connection to a heat network.

**Note 1:** evidence of an applicant's commitment to achieve a heating solution consistent with the conditions of this funding scheme include the following:

- A copy of a signed agreement to connect to a heat network for which there is a credible pathway to decarbonisation.
- A copy of a signed agreement to install a clean heating system by 2045.
- A letter of commitment to implement one of the above two solutions, signed by the senior responsible owner of the project.
- The relevant building(s) are registered to adopt the Net Zero Public Sector Buildings Standard with a Project Registration Form signed by the senior responsible owner of the project or equivalent standard.

**Note 2:** Applications for investments in energy efficiency and demand response measures that do not reduce direct emissions within the building(s) curtilage must be accompanied by a clear explanation of their intent and justification in terms of how they contribute to Scotland achieving the best value route to net zero. Examples could include:

- Reduction in excessive heating energy costs.
- Reducing peak and total electricity demand, thereby improving other electricity consumers' access to the local electricity distribution network.
- Improving the capability of a clean heating system of meeting the building(s)'s heating demand without the need for additional combustion-based heat sources to be installed in the future.

## **Annex G. Ineligible costs**

This annex sets out all costs which are not eligible for funding:

- Any VAT reclaimable by the grantee
- Any non-essential subsistence costs
- Costs incurred prior to the agreed project start date
- Costs for work undertaken after the contractual end of the project
- Staff costs for existing staff members;
- Notional costs and in-kind contributions
- Interest and service charges arising from hire purchase, leasing or credit arrangements;
- Advertising, marketing and entertaining
- Profit earned by a subsidiary or related enterprise or person(s) in providing materials, sub-contracting, consultancy or trials/testing
- Directors' dividends
- Certification fees
- Inflation and contingency allowances
- Costs of printing operating, service and maintenance manuals
- Costs of licensing in background intellectual property when the intellectual property is being licensed from a subsidiary or related enterprise or person(s)
- Training costs related to sales or distribution of the developed product, process or service
- The purchase of land and buildings
- Recruitment and relocation costs
- Other expenses beyond those outlined in the eligible cost section above
- Costs associated with purchase fees for necessary licenses or associated consultancy fees
- Statutory activities including grants in aid, consents and planning activities
- Building maintenance works/refurbishment measures