

Why NOW is the moment to act on decarbonisation

Foreword

In today's climate, asset leadership matters more than ever.

With fiscal pressure mounting, policy reform accelerating, and the climate clock ticking, public estate leaders must make bold, evidence-based decisions.

This route map is a strategic resource. It shows how to align vision, funding, and action—while positioning your estate for transformation. The journey to Net Zero won't be achieved overnight.

But it can start today.

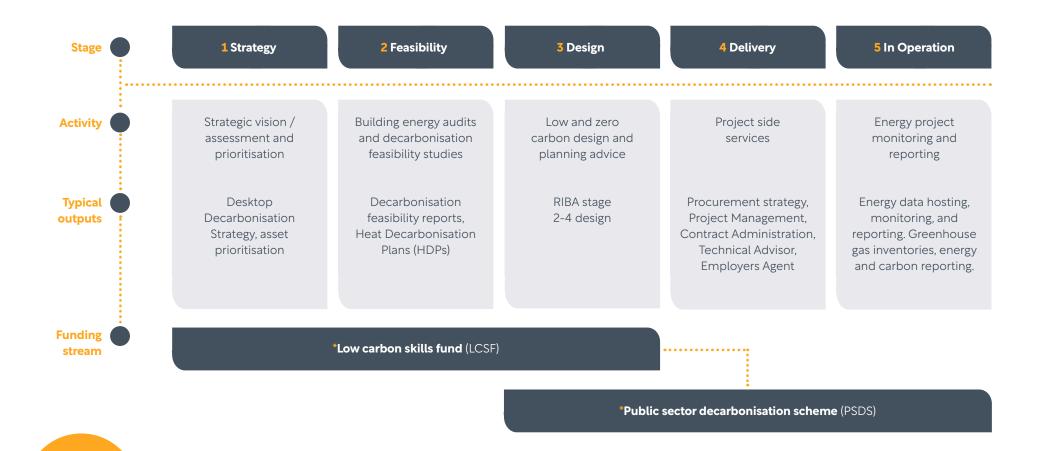


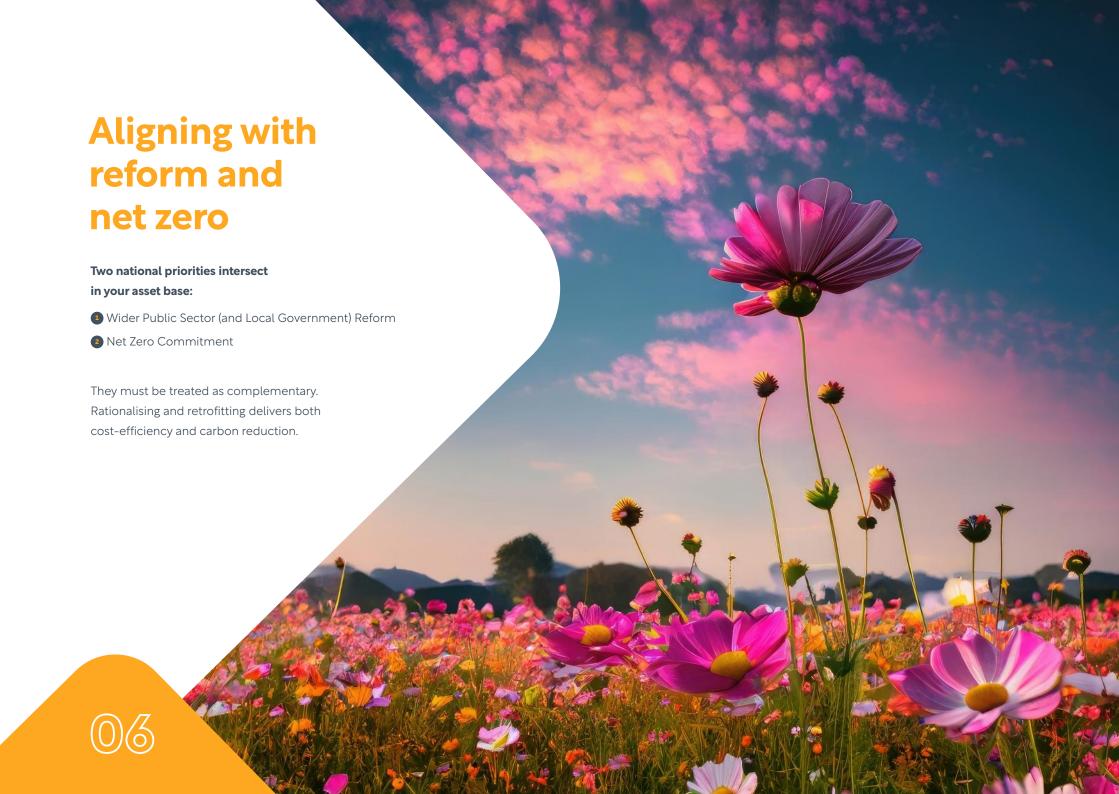


The NZC journey

To plan effectively, you need to know where you are. Here's the five-stage journey:

1 Strategy 2 Feasibility 3 Design 4 Delivery 5 In operation





The cost of inaction Each year of delay results in: © Escalating costs © Higher emissions © Lost funding © Compliance risk © Reputational damage



Take action

Key questions:

- Do we have decarbonisation objectives and targets?
- 2 Do we have a decarbonisation strategy for our estate?
- **1** Have we undertaken an energy assessment across our estate?
- 4 Do we know what buildings are priorities for decarbonisation?
- **5** Do we need to undertake building energy audits and decarbonisation feasibility studies?
- O Do we have costed Heat Decarbonisation Plans to enable a PSDS application?

Plan now to identify what you want to achieve with LCSF Round 6 funding.



We offer a comprehensive suite of services to help you plan, deliver, and optimise decarbonisation across your estate:

- Net zero plan development and project management
- Funding application and management support, such as Low Carbon Skills and Public Sector Decarbonisation Scheme (PSDS) funding
- Building energy audits and decarbonisation feasibility studies
- 4 Heat Decarbonisation Plans (HDPs)

- S Low and zero carbon design and planning advice
- 6 Energy project management
- Energy data hosting, monitoring, and reporting
- Greenhouse gas inventories, energy and carbon reporting





Estate Decarbonisation ReviewJames Paget University Hospital

In 2023, Norse Group were commissioned by JPUH, through its retained consultant Castons, to undertake a decarbonisation feasibility study across a number of buildings on the hospital estate. This supported JPUH's Outline Business Case to inform retention or disposal as part of the new future James Paget Hospital redevelopment.

- Norse Group conducted decarbonisation feasibility studies of 9 operational buildings and residential accommodation.
- We developed Heat Decarbonisation Plans to support the Outline Business Case for the new JPUH Development.
- We carried out an options appraisal for a standalone low carbon heating system or connection to the new hospital energy centre.



College Decarbonisation PlanPlumpton Agricultural College

In 2024, supported by Phase 5 Low Carbon Skills Funding, Norse Group undertook a holistic fabric and services feasibility study across all of the College's existing fossil fuel heated buildings and prepared a detailed Heat Decarbonisation Implementation Plan.

- Norse Group provided support to secure Salix Low Carbon Skills Funding.
- We conducted a campus-wide decarbonisation feasibility study.
- We reviewed anaerobic digestion opportunities from on-site farm operations.
- We developed a detailed Heat Decarbonisation Implementation Plan over a three-year period. We are on target to meet the College's sustainability goals to achieve net-zero fossil fuels by 2035.



Passivhaus Retrofit

St. Sophia Primary School

Norse Group has led on the design and delivery of this 'Passivhaus EnerPHit' certified school – with the 'EnerPHit' standard internationally recognised for delivering outstanding energy improvements in existing buildings.

- Norse Group delivered the UK's first Passivhaus EnerPHit school building.
- We developed the design using PhPP modelling within a BIM environment.
- We retained a large proportion of the existing structure.
- 4 This was regarded as a nationally important scheme.
- **5** Our work will extend the building's lifespan by up to 25 years.
- It became an exemplar project for learning and knowledge sharing.



Salix LCSF and PSDS Heat Decarbonisation

West Sussex County Council

Norse Group undertook a holistic building appraisal in accordance with Salix guidance for HDP's and PSDS funding – to evaluate opportunities for energy and carbon savings. The measures considered range from fabric improvements, energy efficiency and new low carbon / renewable technologies. Site surveys are undertaken, building fabric measurements and detailed calculations for energy and carbon reductions. Proposed measures are put forward, with corresponding estimated project costs and associated carbon savings. With PSDS funding, 14 sites have been moved through detailed design and delivery into operation.

- Outlined pathways for WSCC to work towards net zero carbon in their buildings
- Reduced energy demand through the improvement of WSCC's building fabric
- Short-to-long term energy cost savings
- Increased the WSCC's knowledge of what is required to decarbonise its built environment
- Improved public perception of local authorities' efforts to preserve environment through reduction in carbon emissions



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