



Anchor Environmental Sustainability & Net Zero Carbon Strategy 2023 - 2026



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Introduction

We all want a planet that can sustain healthy lives for ourselves and future generations.

Achieving that, and being able to enjoy greenery and biodiversity, means shifting to ways of living which don't rely on burning carbon, while learning to live in a less wasteful society. Reducing, reusing and recycling - and living sustainable lives - changes the way we build and heat our homes, how we travel, the way we produce the food we eat and the clothes we wear.

Anchor is England's largest provider of specialist housing and care for people in later life and a responsible business. We are proudly not-for-profit, which means every penny we make is reinvested into our properties and services, building more and innovating for the future.

This strategy is in line with our Business Plan and works alongside our approaches to funding, development and a range of other topics. It sets out our vision, strategic objectives and approach to developing the changes we must make to protect the environment and reach net zero carbon (NZC) by 2050, for the benefit of current and future residents.

In short, it sets out how we will enable current and future generations to love living in later life.



Strategic Context

Climate urgency and the national policy framework

The UK Government is part of the United Nations Framework Convention on Climate Change, which runs the Conference of Parties better known as COP. As such, it has made a statutory commitment to achieving net zero carbon by 2050. However, the statutory independent Climate Change Committee's progress report to Parliament (June 2022) found:

"Tangible progress is lagging the policy ambition. With an emissions path set for the UK and the Net Zero Strategy published, greater emphasis and focus must be placed on delivery."

The Climate Change Committee recommended that preparations should provide for a 4 degree increase in temperatures, against a target of 1.5 degrees. The Committee's latest report to Parliament (29 March 2023), Progress in Adapting to Climate Change – 2023 report to Parliament, found a "striking" lack of climate preparation from Government.

The independent report commissioned by the Department for Business, Energy and Industrial Strategy (BEIS) "Mission Zero: Independent Review of Net Zero" provided 169 recommendations on intensifying, raising standards and speeding up progress, including bringing forward a number of key target dates. The UK Government responded with Powering Up Britain (March 2023), bringing together its Energy Security Plan, and Net Zero Growth Plan, creating the new Department for Energy Security and Net Zero.

The international and national policy framework will continue developing at pace as the scale of the climate challenge, sense of urgency and willingness to change grows. We are focussed on working in the current context, keeping pace and staying true to our values of being accountable, respectful courageous and honest.

Anchor's role

We all have a role to play in tackling climate change, protecting the environment and creating a sustainable future. Following a century of relative stability in the way that we build and live in our homes, our buildings and communities will look very different by 2050. The way we do business, our homes and lifestyles are central to tackling climate change through the transition to a low-carbon economy that protects and nurtures our precious natural environment.

How we power and heat our homes is central to meeting the climate change targets for 2050. From 2025, no new build homes will be connected to the gas infrastructure. In the same timeframe, regulations and changes to energy generation, distribution and consumption will see technologies such as renewables, heat pumps and energy storage become mainstream.



• Achieving better energy efficiency and net zero-carbon emissions will shape how housing is built, maintained and managed for the next 30 years, as well as residents' bills, health, wellbeing and experience in their homes. All our colleagues, stakeholders and partners will be involved in embedding low-carbon, circular economy and environmental responsibility in the way we work and live our lives.

In this context, we are setting a clear approach and priorities for action within this strategy and considering a pathway to science-based targets.

Anchor's business plan sets out **four strategic objectives**:

- More and better homes where people love living in later life
- More opportunities for colleagues in career development and reward
- More influential by sharing our experiences and thinking with policy makers to drive improvements in older people's lives
- More efficient by challenging ourselves to innovate and do things better

Sustainability in its broadest sense, including environmental, social, governance and financial aims, runs through all of the "four mores".



Where we are now

The pathway so far

We have been building our understanding of and approach to sustainability for some time. During 2021, we issued our Sustainability Financing Framework (SFF) as part of refinancing activity supporting our Environmental, Social and Governance work across the organisation.

Our sustainability linked loan is linked to the following KPIs:

Additional Homes	Affordability of Homes	Energy Efficiency of	Wellbeing Services	Colleague Diversity (More
(More and Better Homes)	(More and Better Homes)	Homes (More Efficient)	(More Efficient)	Opportunities for Colleagues)
Number of new units reaching practical completion (any tenure)	Proportion of rented units with affordable rent defined as being below Local Housing Allowance	Average Energy Efficiency Certificate (EPC) score for all new units reaching practical completion in the relevant year to be above the defined target	Number of resident lives impacted positively through our wellbeing projects (number of interactions)	Number of colleagues lives impacted positively through our diversity projects (number of interactions)

Also in 2021, Anchor commissioned Ankura to conduct an ESG Maturity Assessment which made several recommendations. We have taken these forward in the following key areas:

Energy efficiency of existing homes	Created a data set of Energy Performance Certificates to inform asset strategy and retrofit planning			
Heating source for new homes	Stopped using gas heating in our new build home specification in 2022			
Greenhouse gas emissions	Defined the scope of and sources of emissions for Anchor's carbon footprint and carried out two years of measurements.			
Provide information to Residents on Sustainability	Consulted Residents' Council and other resident engagement forums on strategy			
Activity	Residents group for Property, Building Safety and Sustainability established			
	Regular articles and communications in Life magazine			
	Sustainability Annual Report published for 2021 and 2022			
	Included sustainability reporting in Residents' Annual Report.			



Anchor's Board approved a pathway in the Spring of 2022 towards an overarching environmental sustainability strategy. This set out how Anchor would build its capacity, developing the team's expertise and the systems for effective data collection and analysis, establishing governance, including a Sustainability Steering Group, scoping and delivery structures to support the development of an Environmental Sustainability Strategy. The following steps on this pathway have supported the development of this strategy.

Pathway	
2022/23	Completed
• Establish governance, scoping and delivery structures to define strategy, including setting up workstream task & finish groups. Form Residents' Sustainability Panel (In progress)	>
Establish key data requirements and baselines including carbon scope and footprint (external support advised). Include SECR report in Annual Report.	
Continue building to EPC B+ whilst exploring costs and benefits of building to NZC standards and options and cost implications for the speed of adoption within the development pipeline, to inform Anchor's new build pathway to net zero	>
Retrofitting existing homes;	
Review learning from existing retrofits and define capabilities required to model retrofit costs, benefits and options	
Carry out retrofit surveys on a sample of locations	
Develop retrofit costs and options model for Anchor's stock, informing Portfolio Strategy and investment planning	
Apply for Social Housing Decarbonisation Funding in a joint bid with the Greener Futures Partnership and if successful, deliver SHDF retrofit programme	
Consider Energy Wise capabilities to support retrofit projects	
Review business operations (offices, travel) energy use, recycling practices, and sustainable travel arrangements and link to carbon reporting.	
Assess options for enhanced environmental and ESG standards in procurement framework, considering costs and benefits.	
Set up Electric Vehicle Charge Point pilot; develop strategy & policy	



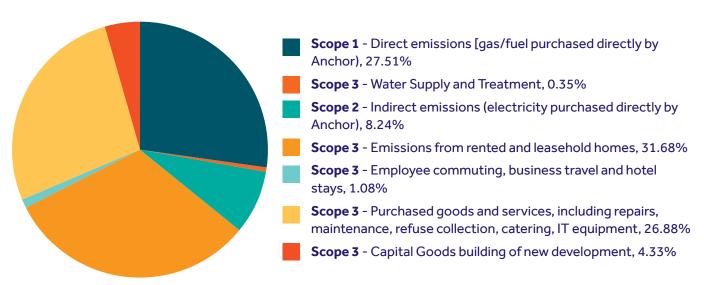
2023/24	Work in progress
Define acquisition and planned works retrofit standards and approaches	
Update standards and specs	
Develop position and transition plan for gas replacements	
Set targets for annual retrofit programme	
Undertake further funding bids	
Environmental compliance and practice improvements	
Develop responsible sourcing strategy / framework approach	
Explore carbon literacy e-learning module	
Monitor and evaluate Electric Vehicle Charging Point pilots and develop policy and process map.	

Our baseline carbon footprint

Anchor has reported for the last two years under the Sustainable Reporting Standards for Social Housing on its environmental, social and governance and has also reported voluntarily under the Streamlined Energy and Carbon Reporting standard (SECR) on scope 1, 2 and 3 carbon emissions. These provide us with baselines from which to measure our progress. In 2022, a much more detailed analysis of our carbon footprint was carried out with the support of environmental advisors Trident Utilities, in line with the Greenhouse Gas Protocol on measuring emissions and we will report this annually.

Anchor's total carbon footprint for FY2021-22 is calculated to be 207,235 tonnes CO2e. This equates to 22.1 tonnes per FTE employee, or 4.1 tonnes per home.

Anchor's carbon footprint





Understanding carbon emissions

- **Scope 1** = Direct emissions from sources we own or control directly, e.g. gas that we use in our buildings and supply to residents.
- **Scope 2** = Indirect emissions from energy we purchase and use, e.g. electricity that we use in our buildings and supply to residents.
- **Scope 3** = All other emissions produced by our supply chain.

Most of our emissions come from:

Scope 1, which covers heating and hot water supplied to communal areas and residents' homes via communal systems,

Scope 3 leased assets (heating, hot water and electricity used within residents' homes), and

Scope 3 purchased goods and services.

These three categories contribute over 86% of our total carbon footprint and will be reduced by retrofitting and building new homes to ever higher energy efficiency standards.

Scope 2 electricity emissions make up 8.24% of total emissions. We purchase electricity which is supplied to communal areas within our homes. We do not purchase electricity on behalf of the majority of residents for use within their own homes, unlike gas or other heating fuels for communal boiler rooms. Some locations are electrically heated with storage heaters or heat pumps, but most rely on gas heating. The implementation of communal LED lighting over recent years may also be another reason why scope 2 electric emissions make up a lower proportion of the overall footprint.

Scope 1 emissions are higher than would normally be expected for housing organisations, and scope 3 emissions lower. This is because we have communal/district heating and hot water systems at around half of our locations. At these sites we operate the communal boiler room and purchase gas or alternative fuel on behalf of residents, so that emissions fall within scope 1. Where homes are heated through individual boilers and residents pay fuel bills directly, the emissions fall within scope 3. These measurements are able to tell us where we need to focus our efforts to reduce carbon emission and, in future, they will tell us whether the changes we are making are working.

More information about our next steps are outlined in our 'Cutting Carbon' chapter on page 16.



Working together

Sustainability runs through everything we do. Our Board, Executive and the Sustainability Steering Group have determined the strategy's priorities and teams across the organisation are considering how they will contribute. Colleagues across the organisation are central to achieving a sustainable future and we will continue to raise awareness and drive action.

Resident engagement – a central role in achieving sustainability

This strategy has been developed with residents and we will continue to work with them to achieve it. In addition to resident focus groups, the Sustainability Team held discussions with the Resident Council and a range of resident groups, including the Property, Building Safety and Sustainability Residents' Group.

Residents were highly engaged in the topic and wanted to create an environment fit for the future for their children and grandchildren.







Residents said:

- We should say what we intend to do on environmental sustainability as soon as
 possible and as clearly as possible and should show energy and enthusiasm in our
 work to achieve sustainability.
- Residents recognised the urgency of climate change action and the need to move to net zero carbon sooner than governments seemed to be moving.
- Our teams should work together, avoiding 'silo' working practices.
- High standards should be set for the procurement of goods and services, ensuring sustainable supply chains, but affordability is important too.
- We should consider sustainability in all our contracts and investments.
- Start at home! For example, make sure that communal lighting is made sustainable and that recycling is as good as it can be.
- Support residents' projects in pursuit of sustainability, from gardening to walking to raising awareness to setting up Anchor's own Residents' COP 23.
- A 'fabric first' approach makes sense but residents support the adoption of other adaptations where they can reduce residents' energy bills, particularly solar panels.
- Residents are keen to see renewable energy and sustainable transport options grow and be supported.
- Residents would like to create a Sustainability sub-group of the Residents' Council.

This strategy will help us to prioritise our resources to invest in the areas which will have the biggest impact on making residents' homes more energy efficient which reducing carbon emissions. We will continue to have transparent and open conversations with residents about how we achieve this.



Our vision

This strategy is focused on protecting the environment, reducing carbon emissions and supporting sustainable lifestyles to limit the effects of climate change on current and future generations. Our vision for this strategy is to enable current and future generations to love living in later life.

Throughout its implementation, we will:

- Be informed by robust data, adopting science-based targets where practical;
- As a minimum, aim to meet national targets and goals;
- Engage with residents and colleagues; and
- Appraise the benefits and costs of our proposals to current and future residents.

Our strategic themes

We will focus on four strategic themes:

Cutting Carbon

Reaching Net Zero Carbon by 2050

Protecting the environment

Mitigating
environmental
impacts
including
waste, water,
pollution,
biodiversity
and green
spaces)

Mitigating climate impacts

Mitigating risks including flooding, overheating and extreme weather as well as risks to supply chains and business operations that are driven by climate change

Living well

How we support the wellbeing of our residents through encouraging sustainable lifestyles alongside our Resident Wellbeing Strategy



Key areas of impact

Our strategic themes will inform how we:

- Maintain and provide energy to our **existing housing**
- Design and develop **new properties**
- Run our care homes
- **Buy** what we need ethically and responsibly selecting and working with our supply chain
- **Run** our business –changing our own operations and behaviours
- Walk together with residents and colleagues on this journey

Our objectives are summarised in our **strategy on a page** and the strategy goes on to outline further context for our strategic objectives, and where possible summarises actions and measures that will take forwards action.



Our vision: To enable current and future generations to love living in later life

	Cutting carbon	Protecting the environment (waste, water, pollution, biodiversity and green spaces)	Mitigating climate impacts (flooding, overheating, extreme weather)	Living well (supporting wellbeing through sustainable lifestyles)
Key areas of impact	Our strategic objectives:			
Existing housing:	Make homes more energy efficient, comfortable and affordable to run.	Reduce water use and waste, increase biodiversity & green spaces, support sustainable transport.	Understand and mitigate the climate risks our residents' homes face and the likely timeline for increasing risk.	Support residents in living independently and having healthy, active, and sustainable lifestyles.
New properties	Build new energy efficient homes which are comfortable and affordable to run.	Reduce the environmental impact of building new homes and enhance the biodiversity of new places, support sustainable transport.	Design new homes to minimise exposure to climate risks such as flooding and overheating.	Design homes and locations that support independent living and a healthy, active, and sustainable lifestyle.
Care homes	Ensure care homes are energy efficient, comfortable and affordable to run.	Ensure efficient plumbing and waste systems to minimise water wastage and reduce pollution and waste generated by our care homes. Increase biodiversity and green spaces, support sustainable transport.	Understand the climate risks to our business operations, colleagues and office locations within care homes and appraise mitigation options.	Support residents and colleagues in a healthy, active and sustainable lifestyle, including reducing loneliness and isolation.
Buying ethically and responsibly	Reduce the carbon footprint of the goods and services we buy.	Reduce the environmental impact of the goods and services we buy and support sustainable transport.	Explore how existing and new supply chain relationships can support climate risk mitigation.	Ethical and responsible procurement to support residents in making the changes needed to achieve healthy, active and sustainable lifestyles. Maximising social value to support this.
Run by our business (Colleagues, offices, travel)	Reduce our operational carbon emissions. Build colleague engagement with carbon reduction.	Reduce office waste and water use and support sustainable travel options.	Understand the climate risks our business operations, colleagues and office locations may face. Appraise options for mitigating these risks.	Educate and inspire colleagues to make sustainable decisions in their lives, support colleagues' wellbeing and improve working environments. Enable colleagues to support and promote sustainable options to residents.

Data: Including baseline measurement, modelling and predictive analytics

Technology: Technology Strategy, One Plan

Communication: Resident Voice Strategy, Resident Wellbeing Strategy, Colleagues

Governance: Sustainability Steering Group, Sustainability Committee, Board Reporting & Risk Management





Cutting Carbon

Carbon emissions are the main contributor to climate change. We are committed to achieving net zero carbon by 2050 at the latest.

Homes are responsible for about 20% of the UK's total CO^2 emissions and heating in homes contributes about 13% of the UK's total CO^W emissions. The Climate Change Committee is targeting the housing sector to be carbon free earlier than industry and transport and moves are being made towards bringing the net zero target forward to 2044 for housing.

In new developments, the Future Homes Standards and Part L of the Building Regulations are already imposing requirements improving energy efficiency and reducing carbon. There will be no gas heating in all new homes from 2025. Care is needed to protect residents and offset the higher costs of heating homes electrically by specifying better building fabric standards and, wherever possible, efficient heat pumps instead of direct electric.

Government wants all fuel poor homes to meet an Energy Performance Certificate (EPC) rating of 'C' by 2030, and as many other homes as possible to achieve it by 2035. The Climate Change Committee (CCC) has recommended that this be brought forward to 2028 for social housing.

There are some 2.8 million homes in England owned by housing associations. The National Housing Federation reported that housing associations homes are already more efficient than homes of other tenure types: 64.3% are certified EPC C or above, compared with 38.3% of privately rented homes and 35.6% of owner-occupied homes¹.

83% of our rented homes, 90% of our care homes and 55% of leasehold homes are at energy efficiency levels of EPC C or above (as at 31 March 2023).

This section sets out our overall objectives and targets to cut our carbon emissions to net zero, and then takes a more detailed look at our plans to reduce carbon emissions in each of the key areas of impact.

Data	Ambition	Targets	Reporting	Reduce
Implement software to capture and report Scope 1,2+3 against targets. Carbon Accounting	Create your overarching ambition, alignment with stakeholders, sector, legislation. Competitor Analysis	Ideally Setting GHG or science-based targets to limit warming to 1.5°C. Race to Zero/ SBTi.	Use the data gathered to satisfy numerous legislative, voluntary and customer reporting requirements. SECR etc	Implementation of carbon saving opportunities across all scopes. Engagement with upstream and downstream activities. Decarbonisation.

1. National Housing Federation, Taking Stock: Understanding the quality and energy efficiency of housing association homes (January 2020).



Objectives	Targets
Make existing homes more energy efficient, comfortable and affordable to run	Reach net zero across all emissions by 2050
Build new homes which are more energy efficient and affordable to run	Reach net zero operational emissions by 2030
Make care homes more energy efficient	• All rented homes will be at least
Ethical and responsible procurement of services that reduce carbon emissions	EPC C by 2030All care homes to be EPC C well
Reduce Anchor's operational carbon emissions	before 2030
Build colleague understanding of and engagement in carbon reduction	CO² / Energy Use / Cost savings average per household from retrofit initiatives and/or resident
Report our total greenhouse gas emissions annually	engagement initiatives
Better understand and reduce fuel poverty and the risk of fuel poverty amongst residents	
 Seek to maximise grant funding opportunities for retrofit works to support as many leasehold homes as possible also reach EPC C by 2030 and net zero by 2050 	

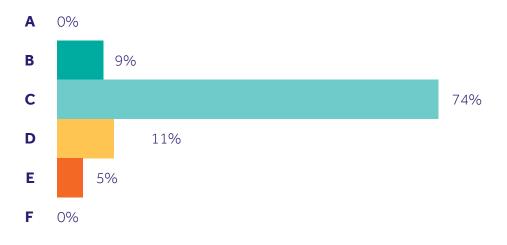
Existing Housing

Make housing more energy efficient, comfortable and affordable to run.

Our baseline carbon footprint for 2021-22 identified that 59% of our total carbon footprint is from scope 1 (direct emissions – mostly from heating and hot water supplied to communal areas and residents' homes via communal systems), and scope 3 leased assets (heating, hot water and electricity used within residents' homes).

EPC bands - where are we starting from?

Anchor Rented And Care Homes EPC Ratings 2022/23



Energy Performance Certificate (EPC) bands are generated from Standard Assessment Procedure (SAP) surveys and assess the energy demand and cost in the home. Band C roughly equates to a space heating demand of 90 kwh/m2/hr.



A strategic priority for us in achieving net zero carbon by 2050 will be making our residents' homes energy efficient, comfortable and affordable to run and supporting their wellbeing. We'll do that by scaling up a retrofitting programme that will:

- Take a fabric-first approach to insulating residents' homes
- Embrace a shift away from gas heating towards electric forms of heating that can be powered renewably
- Use tried and tested components and materials that are reliable and suitable for our residents' comfort and ease of use.
- Integrate retrofit works into planned works programmes to minimise disruption and maximise efficiencies.
- Invest in education, upskilling and effective engagement:
 - on the techniques, technologies and equipment for retrofit
 - with our colleagues and our long-term supply chain relationships
 - and importantly, with residents, so they understand and buy into the journey and the changes to their homes in support of reducing carbon emissions.
- Measure and report carbon emissions and actual energy use in homes as well as EPC ratings
- Achieve a minimum of EPC C for all rented homes by 2030
- Achieve net zero carbon for all rented homes by 2050
- Phase an expanded programme of solar PV and renewable energy generation deployment in the years to come.

Taking a fabric first approach means that we prioritise retrofit works to homes as follows.



How do you retrofit a home to reduce energy use?

Step 1

through wall, roof, floors and window & door insulation

Step 2

Ensure good ventilation and low energy lighting

Step 3

Install energy
efficient heating
systems such as
communal heat
networks or heat
pumps

Step 4

Top the building with renewable power generating capablities (solar PV)

Sequence over time

Retrofitting homes will include:

Phase	Approach	Key milestones
1."No regrets" fabric improvements	Simpler fabric upgrades to lofts, roofs, floors, windows and doors. Harder internal wall insulation.	EPC C by 2030
2.Heat decarbonisation	Air source heat pumps on houses Clean heat networks in flats Connection to district heat networks Government hydrogen decision 2026	2025: no new home gas connections 2035: no gas heating replacements
3. Renewables and storage	Solar PV and battery storage for energy generated, starting with large communal roofs on flats, possible investment in PV generation	Pathway development 2023-24
4.Decarbonisation of existing heat networks	New connections in urban areas Replacement of gas boilers and CHP with heat pumps or connection to district network.	2025: no new home gas connections 2035: no gas heating replacements
5.Grid decarbonisation	Grid renewables deployment Local deployment (eg solar PV on Anchor stock)	National carbon budgets for each sector

The Retrofit Journey to 2050

Portfolio Strategy	Building fabric	Clean heating	Renewables	Offset	
Strategic portfolio plans will develop detailed retrofitting plans and timeline	Improvements to building fabric reduce energy consumption in the home	Replace gas boilers with efficient electric systems and heat pumps Without enhanced fabric, this will increase residents' bills System suitability for residents Encourage switch to renewable electricity tariffs	Add solar PV to reduce power low carbon heating systems, reduces demand on grid, potential to sell back to grid	Monitor regulations and options for offset Unlikely to be an option for residential homes	Towards net zero carbon
Holistic, long term plan for each location / building					





New properties

Build new, energy efficient homes which are comfortable and affordable to run.

Anchor has an ambitious development programme, planning to build 5.700 new homes over the next decade by:

- Redeveloping existing assets whole buildings, infilling on spare land, building atop existing properties or extending buildings onto adjacent available land.
- Finding and developing new and existing sites across England in our priority areas.

In new developments, the Future Homes Standards and Part L of the Building Regulations are already imposing requirements to improve energy efficiency and reduce carbon. The 2022 amendments to Building Regulations require CO2 emissions from new build homes to be around 30% lower than previous standards and emissions.

Under the Future Homes Standard, new homes built from 2025 will not be permitted to include gas connections. Where homes are built to current Building Regulations and planning requirements, they will need to meet a minimum standard of EPC B. In addition, car parking will need to provide electric vehicle charging points.

Care is required to protect residents and offset the higher costs of heating homes electrically by specifying higher building fabric standards and, where practical and possible, efficient heat pumps instead of direct electric.

For more than five years, we've been designing and building high quality new homes that reach high energy efficiency standards and in 2022 we phased gas heating out of our designs, ahead of current and incoming building regulations which we acknowledge are not sufficient to achieve net zero carbon emissions.

EPC Ratings: New Developments

Anchor has committed to building 5,700 homes over the next decade. We have been building to a minimum standard of EPC B, but from 2023 will be designing to net zero and delivering to a minimum 'green line' standard.







A strategic priority for us is to define and adopt an operational net zero standard for new build homes but to agree an approach which will realistically assess site constraints where it may not presently be possible to achieve net zero.

To achieve this, we will adopt a new Net Zero design standard for all of our new homes from July 2023.

Our standard will align to the London Energy Transformation Initiative (LETI) operational net zero definition for new build homes, and we will be focusing on designing homes with;

- High fabric standards that support low energy use, aiming to reach a space heating demand of no more that 15 kWh/m2/yr and an energy use intensity of no more than 35 kWh/m2/yr
- Low carbon energy supply for heating and electricity with no fossil fuels
- A zero carbon balance achieved through the use of renewable energy production on site.

We recognise that, today, it remains ambitious and challenging to deliver net zero homes in practice. Technical, site and cost constraints often make achieving full net zero performance standards in operation challenging or not feasible. For this reason, we will adopt a 'Green Line' - a minimum standard for all new homes which:



- Exceeds 2022 Part L Building Regulations significantly,
- Ensures that in aiming to reach net zero, our design standards do not fall below our Green Line standard.
- Minimises the impact on resident affordability / running costs.

In practice, our green line will be operated as a set of scenarios where we adjust the fabric, heating and renewable energy balance for a building only where technical, site or cost constraints require it.

The Green Line ensures Anchor's new homes meet very high fabric standards and seeks to minimise the impact on the cost of running the home as well as future retrofit requirements.

In addition to our aims to cut carbon emissions and build new homes that are energy efficient, comfortable and affordable to run, we will:

- Reduce the environmental impact of building new homes and enhance the biodiversity of new places
- Support sustainable transport.
- Design new homes to minimise exposure to climate risks such as flooding and overheating.
- Design homes and locations that support independent living and a healthy, active, and sustainable lifestyle, reducing loneliness and isolation.
- Define the "renewable" technologies in this context and ensure data set of capacity is complete.
- invest in upskilling our colleagues and developing our supply chain relationships to support these aims.

Over the next three years, we will also explore how embodied emissions in our construction supply chain can be measured and reduced, and wider construction impacts can be reduced.



Decarbonising buildings: Net Zero Definitions

Net zero 'ready'

- Improved building fabric and ventilation
- retain heat and boost air quality
- Efficient electric heating ready for grid to decarbonise
- Renewable energy

Strategic priorities for retrofit, reaching EPC C and reducing space heating demand

Operational Net Zero

 Achieves net zero emissions for all energy use in the home Strategic priority for new build, Reaching space heating demand of at least 35kwh/m2/vr

Full net zero

- Reach operational net zero and address embodied carbon from;
- The production of construction materials, their transport and assembly, maintenance and replacement of construction elements and future disassembly/demolition

Future measurement requirement





The problem with SAP and EPC

Why not use EPC ratings to measure the energy performance of new homes?

Anchor will be using additional metrics to measure the energy performance of new homes, including measures of space heating demand and energy use intensity. This is because we recognise that reaching net zero requires a more complex set of measures than the EPC / SAP methodologies provide.

The EPC methodology uses a set of assumed factors and mainly based on energy costs instead of energy use or CO2 and does not accurately predict energy use, CO² emissions or building performance. The method is somewhat useful for targeting fuel poverty but currently favours gas over electricity.

The CCC, RIBA¹ and CIBSE² all recognise the problems with EPC methodology, especially when using them for energy efficiency and heat decarbonisation objectives. There is a strong industry push for the regulatory environment to shift towards using Energy Use Intensity (EUI) of real buildings³ using actual measured building performance.

EPCs are a useful and widespread tool for communicating and benchmarking energy efficiency and our adoption of additional measures will complement ongoing compliance with EPC requirements.

Care Homes

Making care homes more energy efficient and more cost effective to run

Over 90% of our growing portfolio of care homes are rated EPC C or above. We have sought to grow our portfolio in recent years through high quality, recently built homes that support residents with excellent facilities and are already well insulated, communally heated and energy efficient. Our aim will be to reach higher levels of energy efficiency and measurably reduce carbon emissions and operating costs whilst sharing the benefits of this approach with residents and colleagues.

We are aiming to reach EPC C or above across all care homes well before 2030, and achieve net zero carbon by 2050. To achieve this we will:

- Develop a tailored retrofitting plan for each care home setting out its pathway to net zero carbon by 2050.
- Acquire or commission new homes that are able to demonstrate high levels of energy efficiency and carbon reduction impacts, reducing the requirement for future retrofit.
- Develop a care-specific heating strategy and clean heat transition, looking at how to minimise disruption to residents and colleagues.

^{2.} Chartered Institution of Building Services Engineers – see for example CIBSE response to MEES consultation: https://www.cibse.org/News-and-Policy/Policy/Consultations/Closed-Consultations/Improving-the-energy-performance-of-privately-rent

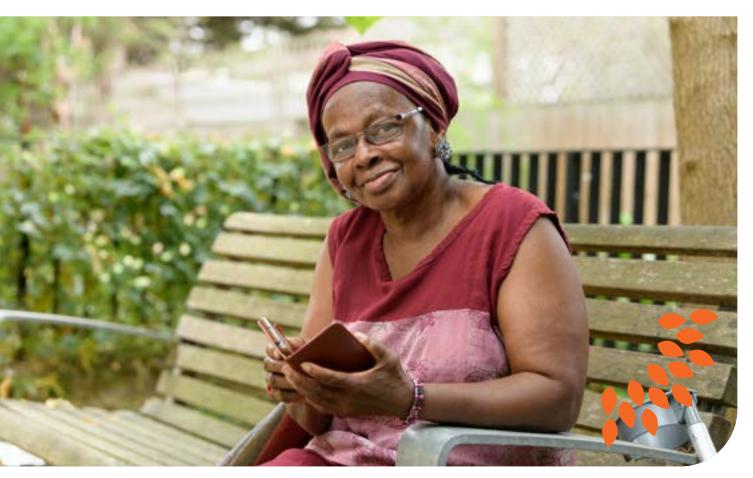


^{1.} Royal Institute of British Architects

• Set up monitoring for energy and water use and link to more efficient operations / cost savings to the benefits of residents and colleagues.

In addition, we will explore these areas:

- Continue to monitor renewable energy options, including solar power, to see whether there is a business case to generate more energy locally to offset energy costs for homes and reduce emissions.
- Explore how enhanced building management systems could support our strategic sustainability aims for care homes of reducing energy use, carbon emissions, and operating cost by better monitoring and optimising energy use, and assessing environmental metrics like air quality.
- Explore how the provision of electric vehicle charging points for colleagues, visitors and contractors could support a shift to sustainable transport and help attract and retain colleagues.
- Explore the role other technologies such as LED lighting, and energy efficient appliances could play in driving down energy use and cost.



Buying ethically and responsibly

Ethical and responsible procurement of services that reduce carbon emissions

At Anchor, we procure over £300m of goods and services annually, supporting and enabling services to residents. We already include questions about suppliers' carbon footprints and reduction strategies in our strategic procurement activity, yet purchased goods and services make up over 25% of Anchor's baseline carbon footprint. Therefore strengthening our approach to procurement and contract management is a priority.

Emissions from purchased goods and services are defined as downstream scope 3 emissions and emerge from our supply chain's manufacture, distribution and operation of goods and services. From pa perclips to refurbishing a whole property, and from gardening services to consultancy, each activity is associated with generating carbon emissions.

Our scope 3 goods and services emissions will tend to be the producing organisation's scope 1 or 2 emissions -and so there is a shared responsibility and incentive for us all to work together to reach net zero.

Reducing these emissions requires close partnership working with our supply chain, and we will support this through:

- Identifying strategic contracts and relationships to target for joint discussions on reducing emissions
- Improving the quality of our carbon footprint data by working with suppliers to obtain more accurate estimates of the carbon emitted by and embodied in goods and services
- Upskilling strategic contract managers and procurement colleagues in carbon literacy to support better conversations with our supply chain and improve how purchasing decisions are made with carbon emission reduction in mind
- Reporting annually on carbon emissions from purchased goods and services.



In selecting new partners, contractors, and suppliers, we will do the following for all strategic contracts:

- Implement a strengthened approach to assessing potential suppliers' carbon reduction commitments to ensure they align to Anchor's aims
- Ask successful suppliers to provide us with data on their emissions to help improve the accuracy of our carbon emissions reduction reporting.
- Base an agreed % of our strategic contract-award decisions on bidders' responses to our questions about social and environmental value (including their carbon reduction commitments).
- Review our approach to procurement as needed so that it keeps pace with the market place and developments in carbon reduction policy.
- Assess the impact of carbon reduction requirements on the quality and cost of contracts to ensure services remain affordable and financially sustainable.



Running our business

Anchor's business operations extend throughout England and are made up of our people, their travel, our offices and the equipment we use to deliver services to our residents. We're also made up of our culture, values and ways of working which will also play a critical part in enabling us to cut carbon. Our carbon footprint identifies a small percentage of our emissions stem from energy use in our offices and travel.

The way we work will alter as we support the transition to a low-carbon economy; from choosing to use digital tools to reduce travel to improving recycling in our offices and reducing their energy use. Our colleagues are key to embracing this shift. With more than 9,000 of us throughout the country, the difference we can make is significant.

Our cutting carbon objectives for our business operations over are to:

Objective

Net zero ready in terms of carbon emissions by 2030.

In order to achieve this target, we will build colleague engagement with carbon reduction.

- Develop and roll out carbon literacy training to all colleagues to upskill in our understanding of and engagement with carbon reduction
- Define our business operations carbon reduction pathway, priority intervention areas and targets
- Report on carbon reduction pathway progress annually
- Develop business projects and initiatives that involve colleagues in considering and reducing operational carbon emissions
- Reduce energy use and emissions in our offices and workplaces
- Promote and support colleagues to adopt sustainable transport options for their commute and work-related travel.



Mitigating our Environmental Impact

Locally and globally, we all depend on the delicate balance of the natural environment. Under carbon-driven climate change, as well as misuse of natural resources, the ecology on which we all depend is at risk.

Anchor's business operations and residents' homes make a significant ecological impact on our environment and our strategic aim is to seek **to understand, mitigate, and – as much as possible – make a positive impact on the environment wherever we work.**

Under this strategic theme, we will be developing our understanding and exploring impact reduction as well as the positive impacts we can make in each of the following areas of ecological and environmental impact:

Waste Water Pollution Biodiversity & Green Space

We are committed to meeting UK and international requirements and targets in each of these areas. Our strategic objectives are as follows.

Objectives

- Reduce water use and waste.
- Increase biodiversity & green spaces,
- Increase and support the use of sustainable transport.
- Design our locations to mitigate environmental impacts and support biodiversity.
- Improve how we design, retrofit and manage care homes to reduce water use, pollution and waste, and increase biodiversity and use of green spaces.
- Ethical and responsible procurement of services minimising environmental impacts.
- Reduce office waste and water use, explore sustainable technology options and office consumables and increase sustainable travel

Anchor undertook a SHIFT assessment in 2019 which explored and recommended the following measures and targets. The next stage of developing science-based targets across the organisation's work will be to conduct a further SHIFT analysis, using the more recent and detailed baseline assessment provided by the carbon footprint measurements taken in late 2022 as well as the work carried out under the Sustainable Reporting Standard for Social Housing for which Anchor is entering its third set of data in 2022-23.

We will update our SHIFT assessment in 2023/24 and further refine our data, goals, targets and initiatives in support of these objectives. Indicative measures could include the following. Some of these, for example, diversion from landfill, are already embedded in our operations:



Waste	Water	Pollution	Biodiversity & Green Space
Increase levels of recycling above that of local provision, targeting a 45% increase in residential recycling. 100% target for diversion from landfill	Reduce water usage. Explore setting and measuring targets for water use in residents' homes for example, a reduction to 130 litres per day by 2030 (target to be reviewed in light	Increase accessibility and biodiversity of green spaces through updated management practices Biodiversity value target setting above the minimum of	Ensure cleaning, gardening, care and medical services use environmentally-friendly products without compromising on quality and safety for residents.
including construction waste. Explore opportunities for waste reduction in	of the next SHIFT assessment).	meeting planning requirements for net biodiversity gain. Audit green spaces	
care. Scope a waste		and incorporate into asset data	
management strategy with supply chain engagement to include food, clinical and hazardous waste.		Resident campaigns and initiatives including 'Going Green' in Summer 2023.	

The developing goals are as follows and the next SHIFT assessment will help to develop and consider science-based targets associated with these goals.

Waste and water

Anchor works with waste contractors in care homes, retirement villages and some residential sites. On other residential sites, Anchor works with the council as waste collector.

Anchor seeks waste contracts which minimise the amount of waste going to landfill and maximise sustainable alternatives, including reducing, reusing and recycling, working with contracted waste services for our commercial waste, including waste from retirement villages and over 120 care homes, and with local authorities for domestic waste. 98% of waste under the commercial contracts is currently diverted from landfill, the vast majority of which is incinerated.

Anchor will continue to work to reduce waste. A Waste Management Strategy will be developed to include exploring opportunities for waste reduction in care homes, including looking at food waste and clinical waste.

In rented, leasehold and extra care homes, we want to look at how best to separate different types of waste in order to deal with each type appropriately, turning waste into other products and diverting from landfill wherever possible.



In offices, we will improve recycling levels and continue to divert more waste from landfill.

Local authorities are developing climate action plans, including reducing, reusing and recycling waste. We will seek to work in local partnerships with local authorities to support these improvements.

Construction sites are required to have water management plans and we will continue to work with development partners to reduce water use in developing new homes.

We will also seek to reduce water use in our offices and business operations and maximise use of recycled water where feasible, exploring technological solutions and colleague behavioural change.



Biodiversity & green spaces

Sustainability also requires a commitment to increasing biodiversity and using and improving green spaces. Standards will be developed for our management of green space and biodiversity as custodians of locations. Enhancing biodiversity across our locations will support climate resilience, enhance the attractiveness of our locations and support resident wellbeing. In addition, there will be opportunities to enhance the wellbeing offer through supporting residents' connection to nature, overlapping with the work described below on living well. **The overarching goal will be to make green spaces more accessible and biodiverse.**

Amendments to the Town and Country Planning Act and planning policy will shortly require new developments and significant regeneration projects to provide a biodiversity net gain of at least 10%. Anchor's 2019 SHIFT recommendations are that a biodiversity value of 17% of protected land should be applied. The next steps will be to gather comprehensive data on existing green spaces to provide a baseline from which to improve their biodiversity. A green spaces audit will be carried out and we will consider how best to incorporate this data into Anchor's asset systems. Resident campaigns and initiatives will seek to encourage residents to access and care for green spaces, starting with our 'going green' theme for communications in summer 2023.

The 2019 SHIFT analysis provided some understanding of the issues we need to consider and potential targets in mitigating climate change. The 2023 SHIFT analysis will build on this understanding and, together with our first Taskforce on Climate-Related Financial Disclosures (TCFD) assessment, scheduled for Q4 2023-24, will start to build a full picture of the impact on our homes, residents and operations, and the measures and governing approaches needed for the environmental mitigation of climate change impacts, such as flooding and overheating.



Mitigating Climate Change Risk

As climate change progresses, flooding, overheating, and extreme weather are becoming increasing concerns to our residents, as well as posing risks to both our homes and our supply chain's business operations. Business continuity, costs and service and product availability through the interruption of our supply chains will be disrupted by climate change and the transition to a low carbon economy. Regularly identifying, planning for and mitigating risks where possible will support us in adapting to these changes through managed transition plans.

We will establish a framework and practice within which we regularly assess those risks under different and developing climate scenarios and regularly appraise the options available for mitigating those risks and developing managed transition plans.

Our strategic objectives are to:

Objectives

Understand the climate risks our residents' homes face and the likely timeline for increasing risk

Mitigate these risks to make homes safe, comfortable and energy efficient

Design new developments to minimise exposure to climate risks such as flooding, and overheating

Explore how existing and new supply chain relationships can support climate risk mitigation

Understand the climate risks our business operations, colleagues and office locations may face

Appraise options for mitigating and adapting to these risks

Over the next three years we deliver this through:

- Using the Task-Force on Climate Related Disclosures framework to underpin a holistic assessment of operational risks
- Undertaking a SHIFT assessment to update our approach to flood, weather and overheating risks
- Developing our approach to designing and delivering retrofits to existing properties that take into account overheating risks





Living Well

As England's largest provider of housing and care for older people, we support older people in living independently. As an employer, we aim to recruit across the diversity of the population and to be an excellent employer, supporting colleagues' wellbeing so that they can support our residents to live independently and love living in later life.

Our strategic theme 'living well' will seek to engage, inspire and enable residents and colleagues to understand and embrace the changes and positive benefits of transitioning to a low-carbon economy underpinned by environmental sustainability. This work will through our existing wellbeing support programmes.

Objectives

Support residents to live independently.

Support residents in a healthy, active, and sustainable lifestyle, including reducing loneliness and isolation.

Support residents in making the changes needed to achieve net zero carbon.

Recognise the links between residents' financial resilience (including the risk of fuel poverty) and their health and overall wellbeing.

Support resident-led schemes in support of these goals.

Supporting sustainable and active travel for colleagues, residents and throughout our supply chain.





Existing Homes

Whether in rented or home ownership, resident engagement with our work on sustainability will be key to success.

We are developing data on fuel poverty amongst residents and will maintain this data linked with indices of multiple deprivation and IDAOPI (deprivation affecting older people and health deprivation). Understanding this need will then enable us to prioritise appropriately in our strategic asset management planning for retrofitting as well as working in partnership to ensure that residents receive the advice, guidance and financial support they need. We have developed a raft of support and as part of our response to the cost of living crisis and the package of services and support available to residents will continue to evolve. Our Be Me programme encompasses the changes that we'll need to deliver within rented housing and extra care and this will tie in closely with the sustainability goals of living well.

We will encourage sustainable transport options for colleagues, residents and visitors, for example cycling, improving access to public transport, electric vehicle charging points and consider opportunities for greening business mileage. We will support and encourage active travel, developing a sustainable transport strategy and action plan to support residents in maintaining active lifestyles and promoting sustainable transport options to residents. This will include supporting residents in switching to less polluting vehicles, including electric vehicles by installing electric vehicle charging points where appropriate.



As part of supporting an active life, we provide and support access to green spaces and community activities in our communities and the active use of those green spaces.

Active and sustainable travel will also be considered as part of engagement with our supply chain, looking at carbon reduction through transport and distribution.

We continue to seek grant funding for projects which pursue these aims wherever possible, maximising social value through our supply chain to ensure that we work in partnership with other providers and through Be Wise services to provide the support needed.

We will:

- Hold and use fuel poverty data to inform our asset management and retrofit planning
- Work in partnership with specialise organisations to signpost residents to and enhance access to local support
- Develop a sustainable transport strategy and action plan to support residents' maintaining an active lifestyle
- Support and enhance residents' access to and use of green spaces
- Maximise grant funding for projects that support these initiatives.

New Properties

We require all designs for new homes to be include an assessment under HAPPI principles, which look at:

- Space and flexibility
- Daylight in the home and in shared spaces
- Balconies and outdoor space
- Adaptability and 'care ready' design



- Positive use of circulation space
- Shared facilities and 'hubs'
- Plants, trees, and the natural environment
- Energy efficiency and sustainable design
- Storage for belongings and bicycles
- External shared surfaces and 'home zones'

Our design specifications, expert engagement and resident involvement in the design process aim to support a healthy, active, and sustainable lifestyle, including reducing loneliness and isolation for older people.

In regeneration projects and in building new homes, we will seek to engage residents in developing spaces which maximise wellbeing and support them in living independently and meet ageing well measures.

As well as meeting improved energy efficiency measures, new homes will need to reflect sustainable transport strategies in building and scheme design in order to make sustainable transport choices accessible, and to reduce car use where feasible. This includes supporting residents in switching to less polluting vehicles such as electric vehicles through providing charging points.

As with existing homes, the design of green spaces and community spaces will seek to encourage and support an active life, social interaction and access to engaging with more biodiverse green spaces. We will consider the design lessons which can be learned from schemes where green spaces and active travel are most successful.

- Ensure our new homes support healthy, active, and sustainable lifestyles, including reducing loneliness and isolation for older people.
- Engage residents in developing spaces which maximise wellbeing and support them in living independently and meet ageing well measures.
- Meet increasingly high energy efficiency standards to support improved thermal comfort and air quality in the home
- Support sustainable transport options for residents
- Enhance the biodiversity of our locations and spaces.

Care Homes

The key goal for living well in Anchor's care homes is to support residents, visitors, colleagues and contractors in a healthy, active, and sustainable lifestyle, including reducing loneliness and isolation within the care home setting.

This will include exploring how to support colleagues and contractors in engaging with programmes to increase sustainable lifestyles and support residents in sustainable living.

- Ensure our care homes support healthy, active, and sustainable lifestyles, including reducing loneliness and isolation for residents as appropriate to their needs.
- Engage colleagues and residents in developing spaces which maximise the wellbeing of residents
- Meet increasingly high energy efficiency standards to support improved thermal comfort and air quality in the home
- Support sustainable transport options for residents, visitors, colleagues and contractors
- Enhance access to green spaces and support the biodiversity of our locations and spaces.





Buying ethically and responsibly

Procured services should support residents and colleagues in making the changes needed to achieve sustainable lifestyles and wellbeing. Social value in contracts can be maximised in support of these goals as well as including sustainability in procurement processes.

Procured services will be encouraged to make the links between residents' financial resilience (including the risk of fuel poverty) and their health and overall wellbeing, contributing to the active education and communications packages to increase resident engagement with wellbeing and environmentally sustainable lifestyle changes, as recommended in the SHIFT assessment made in 2019.

For example, when looking at contractual services to maintain green space, it will be important to maximise the attraction and utility of green space for residents in order to encourage an active lifestyle.

- Enhance the social value of our contracts for goods and services, including encouraging our supply chain to support education and communication about wellbeing and environmentally sustainable lifestyle changes
- Incorporate social and environmental assessment into our contractor selection approach



Business operations

Objectives

- Educate and inspire colleagues to make sustainable decisions in their lives, the impact on residents and their key role in championing sustainable change.
- Ensuring current and future colleagues have the skills and knowledge needed in environmental sustainability
- Support colleagues' wellbeing through improved working environments, reduced travel, access to and connection with nature.

Our colleagues' engagement with the importance of environmental sustainability and our pathways to net zero will be central to their success or failure.

Colleagues from across Anchor have been involved in the development of this strategy and have been a driving force behind it. Learning and development and communications programmes in relation to environmental sustainability will form part of the implementation plans for this strategy, engaging colleagues in personal responsibility both through their roles and teams, and through learning and development programmes and staff forums.

- Evaluate how to reduce business travel and support the transition to sustainable transport options. We will also explore targets for healthy living related to engagement levels and staff wellbeing.
- Continue to develop campaigns to support healthy living, active travel and a positive work-life balance as well as equality, diversity and inclusion to support staff wellbeing.
- Acknowledge the importance of environmental skills and knowledge in our corporate skills mapping. This will involve measuring the baseline of skills and awareness levels, then setting recruitment requirements as well as seeking to grow our own specialists.



Sustainable transport: Both our business operations and the connectivity and transport provided for our residents have an impact on carbon emissions and environmental quality, as well as have the potential to better support wellbeing. The sourcing and transport of our goods and supply chain are also a source of environmental impact. We will:

- encourage the use of sustainable transport options for colleagues, residents and visitors, for example cycling, improving access to public transport, electric vehicle charging points
- consider strategies for reducing business mileage and reviewing colleague travel policies and commuting habits within the context of our operating model and large geographical base
- Engage our supply chain in how they can support sustainable transport



Strategic enablers

Reporting & Governance

This strategy sets out Anchor's vision and ambition for environmental sustainability and net zero carbon and is governed by our Executive Committee and Board. The strategy is a key pillar in the management of our approach to 'Environmental, Social & Governance' criterion and supports our Sustainable Finance Framework which ties our approach to delivering high standards of environmental, social and governance aims to our financial sustainability.

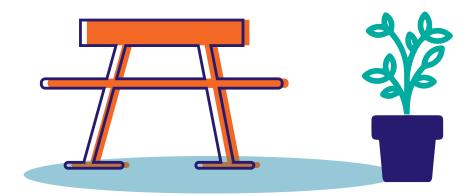
The strategy is overseen by our Board which reviews and approves strategy and receives regular updates on the progress and performance against stated aims and objectives. The Board's sub-committees each oversee relevant elements of the implementation of our strategy.

Anchor's Executive Committee are our 'Sustainability Committee' as per our Sustainable Finance Framework. The Sustainability Committee defines Anchor's vision and ambition across ESG and Environmental Sustainability and NZC and is accountable for the delivery of our strategy, receiving regular progress updates and performance reports relating to the strategy.

The Sustainability Committee are supported by our operational management committees across care, housing, operations and new developments, and by our Sustainability Steering Group, which brings together senior leaders and subject matter experts from across the organisation to interpret the Sustainability Committee's vision into deliverable requirements, lead the programme of sustainability initiatives underway within the organisation, and act as a champion of sustainability across the business.

We will report publicly on our progress against the aims in this strategy annually through our Annual Report and our Sustainability Report which also support our Sustainable Finance Framework.





Supply Chain

In order to achieve these goals, we will need to work with all of the organisations in our supply chain, providing goods and services to Anchor across our procurement, development, acquisition, the construction firms carrying out retrofitting works, repairs, gardening, cleaning, waste, food suppliers and many other services. Effective engagement in reducing carbon and environmental damage from our partners is essential in carrying out the joined-up work needed to reach our targets. We are already reaching out to our partners and building on our strong existing relationships across our supply chain.

Communications & engagement

Resident involvement, engagement and insights feed in across all tiers of our governance through a variety of forums, methods and channels as outlined on page 10 and page 11.

- We will Invest in education, upskilling and effective engagement:
 - with our colleagues and our long-term supply chain relationships
 - and importantly, with residents, so they understand and buy into the journey and the changes to their homes in support of reducing carbon emissions.
- We will co-produce action plans under each sustainability workstream with colleagues and residents.
- We will establish a new Residents' Sustainability sub-group of the Residents' Council to form part of the permanent resident engagement structure.
- We will continue to emded sustainability through every team and workstream through the work of the Sustainability Steering Group
- We will explore developing standard training module on carbon literacy for all colleagues.
- We will engage with colleagues' representative bodies across Anchor to ensure that all voices are heard and issues of equality, diversity and inclusion in sustainability are considered.



Equality, Diversity & Inclusion

Equality, diversity and inclusion are important cross-cutting themes for us. When it comes to a holistic approach to achieving the aims of this strategy, we will take into account the diversity of our residents and colleagues. The age and demographics of our residents means our approach to sustainability must be tailored to residents that have higher than average levels of disability and vulnerability. At the operational level, our colleagues receive Safeguarding and EDI training, and we collect and use data about resident vulnerabilities, disabilities and protected characteristics to ensure that we can deliver services in a respectful way that is tailored to needs and preferences.

Risk Management

We will manage risks to the implementation of this strategy in the following ways:

- The approach to risk management that will support this strategy will be consistent with Anchor's Risk Management Framework, which takes into consideration risks at both a strategic and operational perspective.
- The specific risks to the successful delivery of the strategy will be captured and monitored by our Sustainability Steering Group to understand the scale of the risks, detail mitigating activities, and any implications / connectivity to Anchor's existing risk profile.
- Through the pre-existing network of Anchor Governance Groups and reporting, the visibility and progression of any risk topics that relate to the Environmental Sustainability and Net Zero Carbon Strategy will be ensured. The Risk Management function in the business will provide support to ongoing risk management relating to the strategy. It will also be noted that the development and delivery of the strategy corresponds to mitigating activities against risk themes that are monitored at both strategic and operational levels, and so the link between the strategy and risk management at Anchor will be clear and aligned.



Data & Technology

The right data and technology are key enablers of achieving the aims set out in this strategy.

We have already improved our EPC data set.

Over the next three years we will:

- Implement energy modelling software to support portfolio analysis and planning of decarbonisation works.
- Implement our Asset Data Solution and support enhanced planned works capabilities
- Develop and implement the initial phases of our Technology roadmap.







