

Sustainability in all aspects of our business.

We have a wide-ranging commitment to sustainability, which encompasses designing and building thriving new communities for our customers, operating safely and responsibly on site, creating a great place to work for our employees, and playing our part in protecting the environment for future generations.

What are we doing across Taylor Wimpey?

Our environment strategy commits us to take action across the business, reducing the environmental impacts of the goods and services we buy and helping customers to reduce their own footprint and achieve a greener and healthier lifestyle.

Transition to net zero carbon

We support the UK's commitment to reach net zero carbon by 2050.

Our new homes will be net zero ready from 2025 as we phase out gas boilers and switch to all electric homes.

We were one of the first UK developers to set science based targets across our operations. We aim to reduce our operational carbon emissions by 36% by 2025, and reduce carbon emissions from our supply chain and customer homes by 24% by 2030.

Renewable and low-carbon energy

We have successfully tested hydrotreated vegetable oil as a lower-carbon alternative to diesel for machinery on site and we are also trialling a hybrid generator.

We aim to reduce our operational energy on our UK sites by 32% by 2025. We also intend to purchase 100% REGO-backed (Renewable Energy Guarantees of Origin) green electricity for all new sites.



Minimising waste

Housebuilding is a resource-intensive industry, using significant volumes of water, energy and materials, and producing a lot of waste.

We want to significantly reduce this impact, using more recycled and sustainable materials, improving resource efficiency at every stage and designing out waste.

We'll make sure that our business is prepared for the impacts of climate change and do what we can to mitigate the impact on our customers.

Protecting and preserving the natural environment.

Protecting and preserving the natural environment, including valued landscapes and habitats, is a key priority. Our design process involves an evaluation of the site and how it relates to the surrounding area in terms of its character and setting.

Our plans for Valley Park

As part of the outline planning process for Valley Park, we appointed specialist ecologists to study the whole site in detail. They prepared a full Environmental Impact Assessment, which is the most thorough examination a planning application can have. We also employed qualified landscape consultants and archaeologists to assess the site and its surroundings.

All our consultants' reports have been reviewed and approved as part of the outline application. Our proposals for the whole Valley Park development are designed to protect existing wildlife and enhance their habitats to allow a variety of species to flourish alongside new residents.

Bat boxes will be installed on selected homes and existing trees across Valley Park. We also understand the importance of creating a home for birds at Valley

Park and we are following the example of Harwell Parish Council to help increase the population of swifts in the local area.

To achieve this we will install a range of bird boxes to cater for different bird species including swifts, sparrows and house martins.

Green space and wildlife corridors will cross the site. We will retain as many trees and hedges as possible across the site and plant new native species of trees, shrubs and wildflowers, including species of benefit to pollinating insects.

As part of our national Environment Strategy, we are committed to including bug hotels and bee bricks on all suitable sites, and this includes the whole Valley Park development.

We will introduce gaps at the base of garden fences to enable species such as hedgehogs to move around the development along 'hedgehog highways'.



Designing and building homes for the future.

We're designing and building our developments to be energy efficient, using sustainable construction methods and materials, and making use of innovative technologies to future-proof our customers' homes. The images across these two boards show where we are now, and where we hope to be in the future.

Where we are now

We take a 'fabric first' approach to housebuilding, creating highly insulated homes with low-energy lighting, appliances and a selection of low-use water fittings.

Not only do these measures ensure that homes are more energy efficient and less impactful on the environment, but they also save our customers money.

Triple glazing on all windows, with trickle vents to control airflow, maintains good indoor air quality without losing warm air from inside your home. Electric vehicle charging will be available on homes as well as photovoltaic panels.

Many of our homes have multiple thermostats, which means customers can control individual room

temperatures depending on which areas of the home they use most.

According to data from the Home Builders Federation (HBF), buyers of a new-build house will save on average around £2,600 per year in energy bills.*

Our taps are fitted with flow restrictors which produce a consistent and soft flow of water, while reducing consumption and lowering your water bills.

These measures will be in place on homes at Valley Park.

*<https://www.hbf.co.uk/news/new-build-houses-save-homeowners-2600-in-annual-energy-bills>

2021 Building Regulations compliant home



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Where we want to be

The Future Homes Standard (FHS), due to be introduced in 2025, involves changes to the Building Regulations to improve the energy efficiency of new homes. The aim is to ensure that all new homes built from 2025 will produce 75 to 80% less carbon emissions* than homes delivered under current regulations.

It is not yet clear what measures will be required under these standards, so to allow ourselves to be flexible and respond quickly, we have been conducting research to update the technical specification for our homes in preparation for the changes.

This includes product trials of wastewater heat recovery systems that reuse heat from hot water, and thermal

lintels, manufactured with an integrated thermal break that reduces heat loss and improves environmental performance.

Other measures that we are trialling across the business which may be used in the homes at Valley Park include increased wall insulation, underfloor heating and air source heat pumps.

Whilst heat pumps are not currently available on a larger scale as standard, as a business we are investigating their use on larger sites and will be looking to phase out gas boilers during the construction of Valley Park.

You can find out more by visiting www.taylorwimpey.co.uk/corporate/sustainability.

2025 Future Homes Standard home

