



Carbon Reduction |

Making changes for the better

The construction and operation of Bellway homes has a significant carbon footprint, with total annual emissions over one and a half million tonnes of carbon dioxide. The IPCC (Intergovernmental Plan on Climate Change) states that global emissions need to peak by 2025 for us to avoid 1.5oC of global warming compared with pre-industrial levels. In response to this challenge, we have set ambitious Science Based Targets for carbon reduction, and we are working hard to ensure the transition to electric heat pumps from gas boilers is as smooth as possible.

Low-carbon homes

For the benefit of our customers and the environment, we're doing everything we can to deliver energy-efficient homes. From 2026-27, our homes will produce 75 - 80% less carbon emissions than those delivered under current regulations.

Barton Quarter's, Future Hub

The Future Homes Standard presents a significant change for the housebuilding industry as we aim to push the number of Air Source Heat Pumps (ASHPs) installed in the UK each year from the tens of thousands to the hundreds of thousands. There's a steep learning curve for companies across the sector who need to upskill their workforce at pace. The stakes are high as if the FHS isn't met, it will put the entire net zero pledge at risk. Bellway is committed to driving forward a methodical and incremental approach to ensure the necessary understanding and knowledge is in place at all levels, so that this major transition can be successful.

Our Future Hub at Barton Quarter in Bolton is an industry-leading project to share expertise about low-carbon technologies including Air Source Heat Pumps (ASHPs) and help homebuilders deliver the changes required at scale to meet net-zero targets.

In recognition of the contribution to the wider-net zero aims, we won the 2024 Next Generation 'Innovation Award'.

Investing in innovation

Through collaboration and test trials, we're working on a variety of technologies to help reduce carbon emissions from our homes. This includes working with The University of Salford on the Energy House 2.0 project, our unique research project, where we have built a Bellway home in a climate chamber where we can test its performance, with new technologies, against climate models for 95% of the earth's habitable areas.

Carbon footprint

As a company, we are proud of our performance to date, but it's important that we set our standards even higher so that we meet the challenges of our time. Our new strategy will embed sustainability as a core value within Bellway, ensuring we continue to lower our carbon footprint.

Our Key Targets for the future

- Establish a 'net-zero' target and produce a Climate Transition Plan by July 2025.
- Build ten homes to Passivhaus Standard by December 2025.

| Headline target | |
|--|---|
| Reduce Scope 1 & 2 emissions by 46% by 2030; Reduce Scope 3 emissions by 55% by 2030 | |
| Targets | Progress to date |
| <ul style="list-style-type: none"> • Reduce 'absolute' scope 1 and 2 emissions (tonnes CO2e) by 46% by July 2030 against FY19 baseline. | <ul style="list-style-type: none"> • FY24 saw absolute emissions fall to 14,227 tonnes CO2e, a 14.1% reduction against the previous year and a 44.7% reduction against our base year (FY23-16,562; FY19 base year - 25,715). |
| <ul style="list-style-type: none"> • Reduce scope 3 emissions (tonnes CO2e per m² floor area) by 55% by July 2030 against FY19 baseline. | <ul style="list-style-type: none"> • FY24 saw emissions reduced to 1.40 tonnes CO2e per m² floor area (FY23 - 1.52; FY19 base year - 1.53). |
| <ul style="list-style-type: none"> • Build 'Four Future Homes' exemplar units at a site in Manchester (changed to four units at Barton Quarter, Bolton). | <ul style="list-style-type: none"> • Construction of four units at Barton Quarter 'Future Hub' completed in August 2024. |
| <ul style="list-style-type: none"> • Build ' Four Future Homes' exemplar units at a site in Eastern Counties (changed to five units at Stafford, West Midlands). | <ul style="list-style-type: none"> • Five Zero Bills Homes under construction, completed in September 2024. |
| <ul style="list-style-type: none"> • Complete net zero ready exemplar plots at 3 sites and use monitoring equipment to compare energy consumption and running costs. | <ul style="list-style-type: none"> • Exemplar plots complete, issues with the installation of monitoring equipment at one site have resulted in us missing this target. |
| <ul style="list-style-type: none"> • Review car allowance payments to promote choice of low emission, hybrid and electric vehicles by 2025. | <ul style="list-style-type: none"> • As at FY24, 43% of the fleet was low emission, hybrid or electric. |
| <ul style="list-style-type: none"> • All divisions to commence Air Source Heat Pump ('ASHP') trial sites, delivering space and water heating by December 2024. | <ul style="list-style-type: none"> • All divisions have identified a site to trial ASHPs. |
| <ul style="list-style-type: none"> • Establish a programme to support SME housebuilders through general mentoring, interactive video and in-person training days at Future Homes exemplar projects. | <ul style="list-style-type: none"> • 24 SMEs supported in FY24. Further events to take place in FY25, including at Barton Quarter Future Hub, Bolton. |

Headline Target