

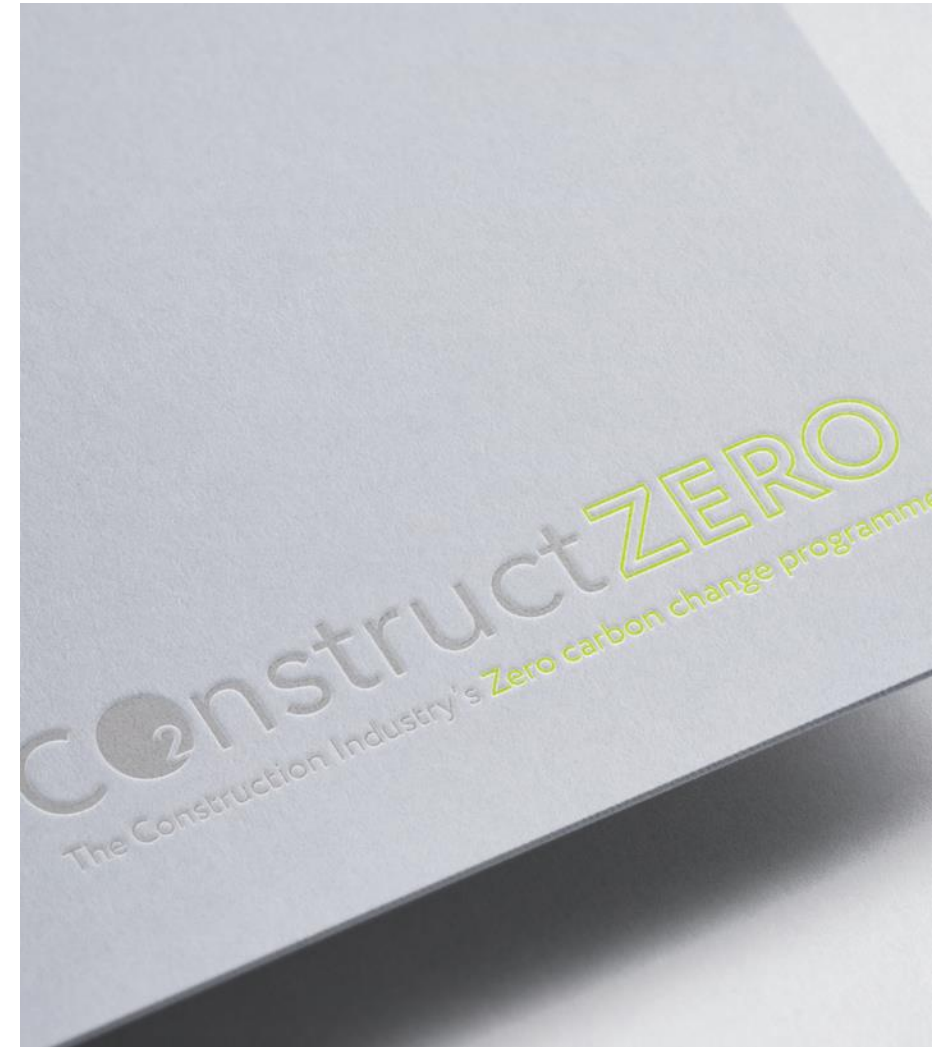
Construct Zero:

Aligning the Programme to Net Zero Delivery



The purpose of Construct Zero

CO₂nstructZero's role is not to develop new solutions, roadmaps or new pathways – there are many groups in the industry well placed to do this – but we believe that the CLC does have a critical role to play in bringing people together to consolidate collective actions and plans for the sector. We can help drive change by helping to share innovative solutions and set transparent goals and clear actions that everyone can help to achieve.



7th Carbon budget








Carbon budgets...a recap

Budget	Years	Emissions Cap	Focus
6 th	2033–2037	965 MtCO ₂ e	Surface transport, buildings, energy supply
7 th	2038–2042	535 MtCO ₂ e	Electrification, low-carbon electricity



7th Carbon Budget The Five Pathways to Net Zero

Decarbonisation Pathway	Strategic Focus
 Electricity	Electrification of industry, transport, heating & energy generation
 Low Carbon Fuels & CCS	Hydrogen, SAF, ammonia, CCUS
 Nature	Woodland creation, peatland restoration
 Engineered Removals	CO ₂ transport and storage
 Demand	Efficiency, productivity, low-carbon choices

Strategic Continuity

What must continue from the 6th Budget:

1. Surface transport decarbonisation
2. Building standards and retrofit acceleration
3. Energy supply transformation



Progress against the 6th carbon budget



TRANSPORT

1. Accelerating the shift of the construction workforce to zero emission vehicles and on-site plant.

2. Optimise the use of Modern Methods of Construction and improved on-site logistics, in doing so reducing waste and transport to sites

3. Championing developments and infrastructure investments that enable low carbon modes of transport



BUILDINGS

4. Work with Government to deliver retrofitting to improve energy efficiency of the existing housing stock

5. Scale up industry capability to deliver low carbon heat solutions in buildings, supporting heat pump deployment, trials of hydrogen heating systems and heat networks

6. Enhancing the energy performance of new and existing buildings through higher operational energy efficiency standards and better building energy performance



CONSTRUCTION ACTIVITY

7. Implementing carbon measurement, to support our construction projects in making quantifiable decisions to remove carbon

8. Designing out carbon, developing the capability of our designers and construction professionals to design in line with circular economy - shifting commercial models to reward measurable carbon reductions

9. Support development of innovative low carbon materials, as well as advancing low carbon solutions for manufacturing processes and distribution

78% of diesel plant to be eliminated from construction sites by 2035

70% of new vans to be EVs by 2030

Close the productivity gap between construction and economy average output per worker by 2035

Eliminate Waste
Eliminate all but hazardous C&D waste entering

Connect public/active transport
From 2025, planning applications from the sector must connect to public / active transport and include EV charging where parking is provided

300,000 charging points installed by 2030

11.13 million homes to reach EPC C by 2035

Low carbon heating
All new buildings will be designed with low carbon heating solutions from 2025.

50% of all housing stock connected to low carbon heat sources (heat networks, heat pumps & PV) by 2035 (CCC target)

Minimise energy demand
From 2025 we will deliver new homes and buildings which will minimise energy demand and reduce emissions in operation by 75% (dwellings) and at least 27% (commercial buildings) compared to current standards

25% reduction in heat demand
In homes from 2019 to 2035

Carbon data provided to our clients
Every client of the sector will be provided carbon data by 2030 to make informed lower carbon choices

Becoming Net Zero
From 2022, we will give all our clients the chance to become net zero by offering alternative low carbon design options and advice to clients, even if not scoped

66% reduction in emissions
By 2035 we will have reduced construction product emissions down by 66% from 2018

■ Green – On Track ■ Amber – More Work Needed ■ Red – Not On Track ■ Grey – No Data

Headline narrative

Our country is counting on construction to power **economic growth** and secure our **energy future**. Rising to that challenge demands a **step change in productivity** at every level of our industry. The reward? We become stronger, more sustainable businesses.

By consuming less, we **reduce our exposure to inflation**. By choosing lower-carbon solutions, we **diversify and strengthen our supply chains**. By planning smarter, we **deliver with greater confidence — and greater profitability**.



What it means for your business

(Revised Programme Structure)



What we deliver

Led by **Green Construction Board**



Buildings

- Housing retrofit & energy efficiency
- Heat pumps & heat networks
- Operational energy standards

Led by **Green Construction Board**



Investing in nature-based solutions

- Biodiversity net gain
- Domestic tree planting

Led by **Construct Zero**



Enabling low-carbon energy infrastructure

- Delivery of Nuclear, heat networks, renewables & batteries
- Delivery of alternative fuels manufacturing

How we deliver

Led by **Construct Zero**



Productivity-driven demand reduction

- End-to-end productivity measurement
- Minimise Construction waste
- Industrialised construction models

Led by **Green Construction Board**



Climate friendly choices

- Carbon & biodiversity net gain measurement
- Innovative low-carbon materials

Led by **Construct Zero**






Transport & Plant

- Zero emission vehicles
- Zero diesel sites
- Low-carbon NRMM transition

*Business Champions & Partner Forums will continue across all priorities, promoting the work of both GCB & CZ workstreams.

New Workstreams

Theme	Priorities
 Transport and plant	<ol style="list-style-type: none">1. Accelerating the shift of the construction workforce to zero emission vehicles2. Implementing zero diesel sites3. Transitioning NRMM to lower carbon fuels
 Productivity driven demand reduction	<ol style="list-style-type: none">1. Invest in measuring & improving end to end productivity (including sponsors, clients and on site productivity)2. Minimise construction waste3. Adopt industrialised construction & performance based business models which reward productivity, lower carbon choices and efficiency
 Enabling low carbon energy infrastructure	<ol style="list-style-type: none">1. Delivery of low carbon energy generation (nuclear, renewables, interconnectors, batteries)2. Delivery of alternative fuels manufacturing and processing plants

For each workstream we will deliver:

- Performance measurement to quantify what needs to happen and measure our progress
- Knowledge sharing through our Business Partners and Champions
- Signposting existing initiatives & opportunities to learn more from across the sector

To learn more please contact stuart.young@businessandtrade.gov.uk



Get Involved



