



Construction
Leadership
Council

ConstructZERO
The Construction Industry's Zero carbon change programme

ConstructZERO

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7th Carbon budget

Construct²ZERO
The Construction Industry's Zero carbon change programme

Strategic Continuity

- **What must continue from the 6th Budget:**
- Surface transport decarbonisation
- Building standards and retrofit acceleration
- Energy supply transformation



What it means for the construction industry?

- **Direct (Accountable):**
 - Building standards and retrofit
 - Transport electrification
 - Productivity-driven demand reduction
- **Indirect (Responsible):**
 - Enabling low-carbon energy infrastructure
 - Investing in nature-based solutions

CO₂nstructZero – The existing 9 Priorities

Transport

1

Accelerating the shift of the construction workforce to zero emission vehicles and onsite plant

2

Optimise the use of Modern Methods of Construction and improved onsite logistics, in doing so reducing waste and transport to sites

3

Championing developments and infrastructure investments that both enable connectivity with low carbon modes of transport and design to incorporate readiness for zero emission vehicles

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

Become world leaders in 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 production processes and distribution



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



TRANSPORT

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BUILDINGS

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

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

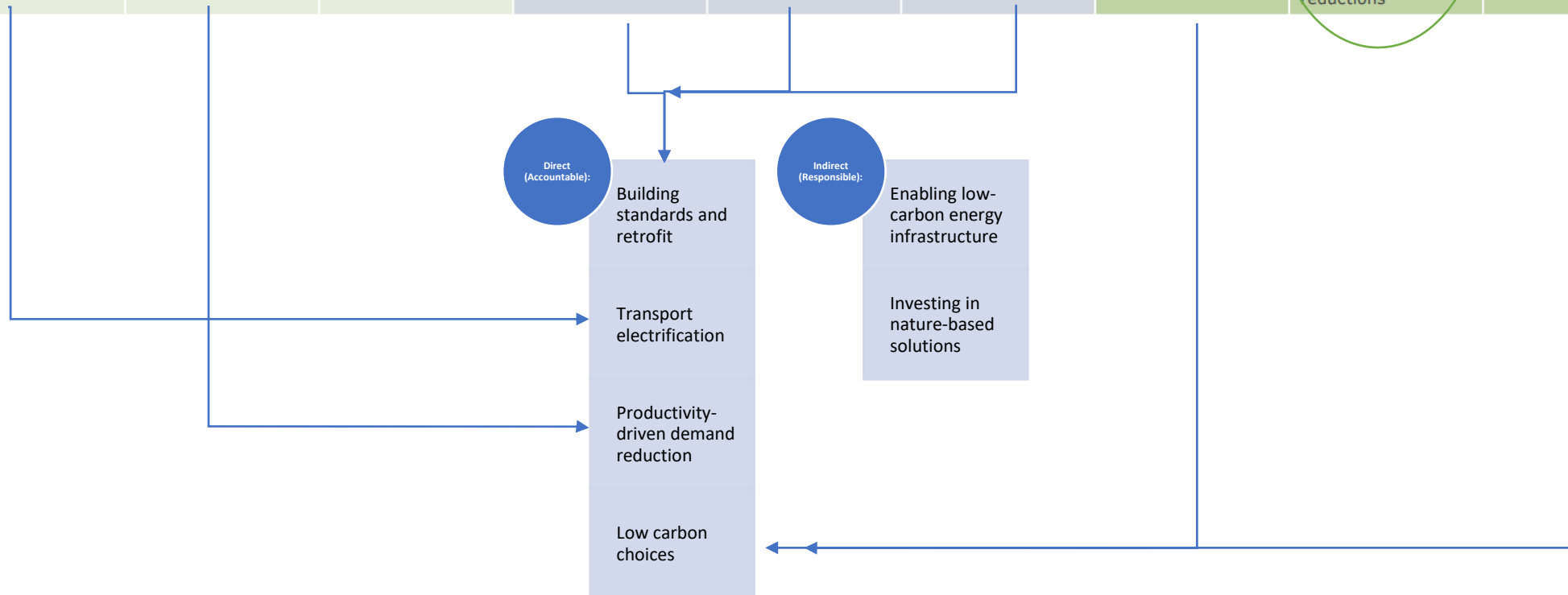


CONSTRUCTION ACTIVITY

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



- 1.** Work with Government to deliver retrofitting to improve energy efficiency of the existing housing stock.
- 2.** Scale up industry capability to deliver low carbon heat solutions in buildings, supporting heat pump deployment and heat networks.
- 3.** Enhancing the energy performance of new and existing buildings(both domestic & commercial) through higher operational energy efficiency standards and better building energy performance.

Buildings



- 4.** Accelerating the shift of the construction workforce to zero emission vehicles.
- 5.** Implementing zero diesel sites.
- 6.** Transitioning NRMM to lower carbon fuels.

Transport & Plant



- 7.** Invest in measuring & improving on site productivity.
- 8.** Minimise construction waste.
- 9.** Optimise the use of Modern Methods of Construction and improved onsite logistics, in doing so reducing waste and transport to sites.

Productivity-driven demand reduction



- 10.** Implementing carbon& Biodiversity Net Gain measurement, to support our construction projects in making quantifiable decisions to deliver resilient projects.
- 11.** Support development of innovative low carbon materials as well as advancing low carbon solutions for manufacturing production processes and distribution.

Climate friendly choices



- 12.** Delivery of low carbon energy generation (nuclear, renewables, interconnectors, batteries).
- 13.** Delivery of alternative fuels manufacturing and processing plants.

Enabling low-carbon energy infrastructure



- 14.** Biodiversity net gain from Construction Programmes.
- 15.** Construction sector offsetting into domestic tree planting schemes.

Investing in nature-based solutions



The Consultation process

Process - What do we need from you?

- We want your views and suggestions under the new framework headings for any of the following. For each answer please be sure to reference the framework priority number from the previous slide.

Q1. What existing industry wide initiatives, policies, or strategies match to one of the headings that CLC could look to champion or support?

Q2. What targets are you aware of that we could adopt into the framework under a particular heading?

Q3. How would we measure success under each category? These could be input, output or outcome metrics.

- Compliance
 - Must be relevant to the new priority and framework heading
 - Must be significant to indicate industry progress (cover a sufficient proportion of the industry)
 - Include a **data point owner** (of the proposed target/metric)
 - Must include agreement of the data point owner to **provide that data** to Construct Zero on a twice-yearly basis, so we can measure/monitor accordingly.