

National Highways RDP

Meet the Buyer Event

17th August 2023



Agenda

01

National Highways Net Zero Plan Update

5 mins

02

PAS2080 and Carbon in Contracts

10 mins

03

Supplier Experience: PAS2080

10 mins

04

Discussion Session

15-20 mins

National Highways Net Zero Plan:

Progress Update

Key Highlights from 2022-23



Corporate

- ✓ 99% of our energy from sustainable sources
- ✓ Installed energy efficiency measures at 32 depots
- ✓ 28% of our network is lit by LEDs

61% reduction

Baseline - 110,352 tCO2e
2022/23 - 42,663 tCO2e



Construction and Maintenance

- ✓ PAS 2080 verified Carbon Management System
- ✓ Net zero roadmaps for concrete, steel and asphalt
- ✓ Innovation Accelerator programme
- ✓ Low Carbon Opportunities Register

9% reduction

Baseline - 579,866 tCO2e
2022/23 - 527,832 tCO2e



Road User

- ✓ ~£42M invested in active travel schemes
- ✓ Published our views on net zero HGV trials
- ✓ Agreed 7 locations for energy storage solutions to trial ultra-rapid EV charging

6% reduction

Baseline - 29,849,000 tCO2e
2022/23 - 27,828,000 tCO2e



Enablers

- ✓ Net Zero Knowledge Zone
- ✓ Carbon Hub - carbon tools and resources
- ✓ Developing an in-person carbon training

Corporate



10 EVs for electric traffic officer vehicle trials
67% of fleet now plug-in hybrid
213 EV charging points across corporate estate

Maintenance & Construction



Kier Group are replacing small construction plant with rechargeable, electric alternatives

Road User



We are conducting a pilot project in Yorkshire to encourage pupils to walk and cycle to school as part of Living Streets project

PAS2080:2023



PAS 2080: 2023

PAS 2080 is impacting behaviour across industry; proactive carbon management is becoming more an expectation than a 'nice to have':

PAS 2080 is the industry recognised specification for carbon management in infrastructure and buildings

1 Focused on whole life carbon: Specifies the requirements for the management of whole life carbon in buildings and infrastructure

2 Considers carbon across the whole delivery value chain: Aims to reduce carbon emissions by aligning asset owners/managers, designers, constructors and suppliers to a single standard of carbon management.

3 A framework for improvement: A globally recognised specification that outlines best practices for carbon management infrastructure projects

4 Enabler/ Accelerator:

Leadership

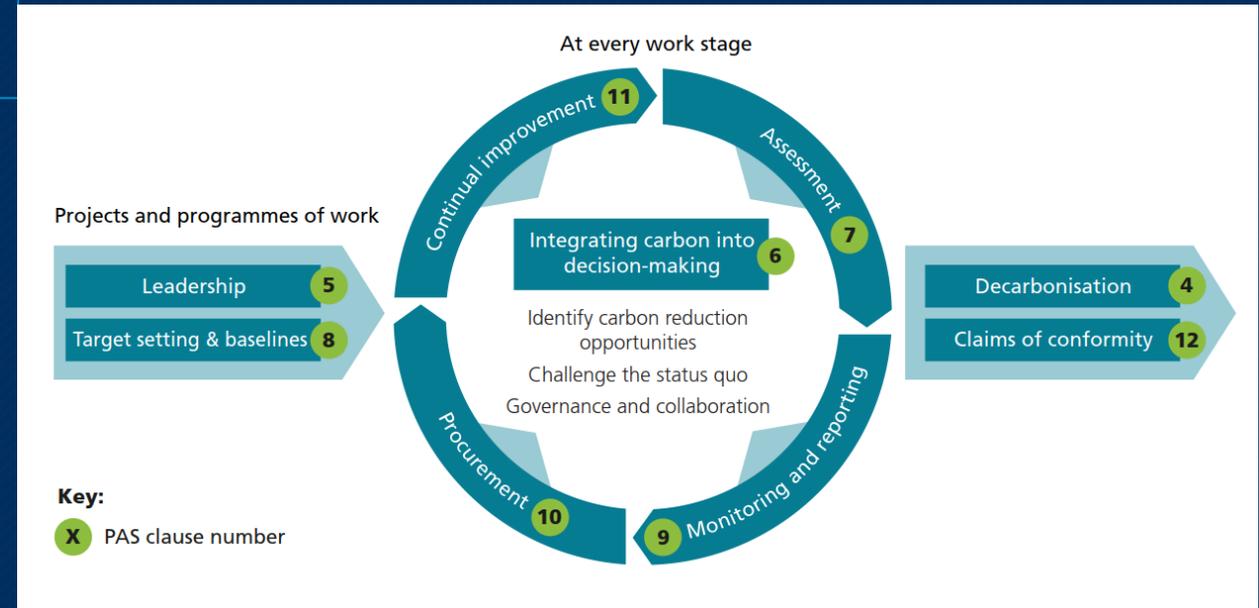
Collaboration

Systems thinking

Procurement

Risk-based approaches

Tools and data/ consistency



What we need from you



We need our supply chain to know your carbon

- ✓ We need to work together to reduce our whole life carbon
- ✓ NH 2040 Net Zero Target (Construction & Maintenance)
- ✓ **Understand the carbon in contracts policy**



Have your own CMS verified to PAS2080

- ✓ This will be mandated by end of 2025
- ✓ Proportionate approach for small and micro suppliers, but will still be expected to align with key principles



Set SBTi aligned targets

- ✓ Near and long term with Net Zero target
- ✓ Within 5 years of National Highways submitting their own targets to SBTi

Visit the Supplier Guide on the Carbon Hub



What does this mean for our supply chain?

Suppliers to implement their own Carbon Management Systems that are verified to PAS 2080:2023 by the end of 2025

PAS 2080:2023 verification must be achieved through third party audit

Organisation or sector level (not project level)

Requirements for small and micro-organisations will differ – still expected to align with the binding principles and be able to evidence this

Applies to those suppliers who are procured through the relevant National Highways frameworks for construction and maintenance

Requirements are likely to evolve in line with any further developments of PAS 2080

Indicative timeline for PAS 2080 verification

Net Zero Plan requires our large and medium suppliers to implement their own PAS2080-verified Carbon Management Systems by the end of 2025

Note – The objective of a Stage 1 Audit is to determine an organisation's readiness for their Stage 2 Certification Audit



The updated version of PAS 2080 was released in April 2023. Organisations with an existing Carbon Management Process may have to amend it to reflect the updated specification

Note – the timescales will vary depending on the organisation's existing level of maturity, the size and complexity of the organisation and the scope of verification required (whole organisation or specific sectors)

Carbon in Contracts

Policy Summary

Carbon in Contracts Policy was approved in June 2023

- Applies to all future contracts
- Existing contracts – policy will apply where the SRO considers the implementation to be economic and affordable

Our Net Zero Highways Plan 2030-2050 says:



*We will integrate net zero into ...
our standard contracts and design
codes from 2025”*



Demonstrate adherence to the set stage-based carbon cap for a contract and/or scheme

Manage residual emissions using the agreed carbon price published at the base date of the RIS

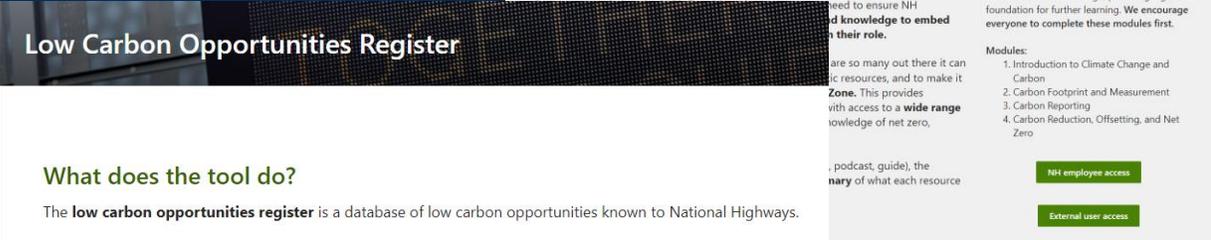
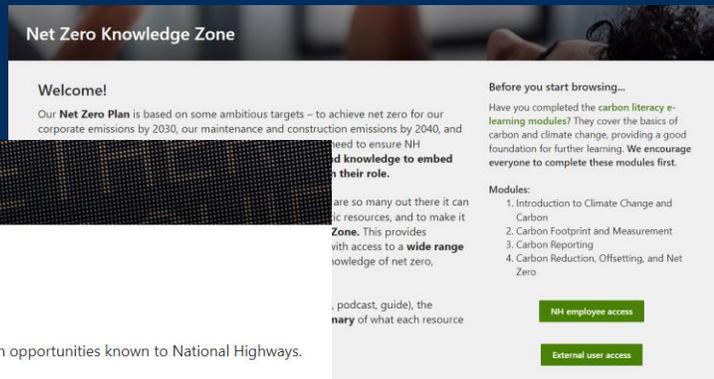
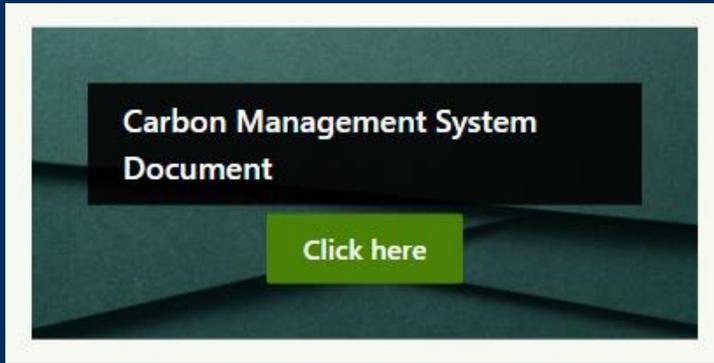
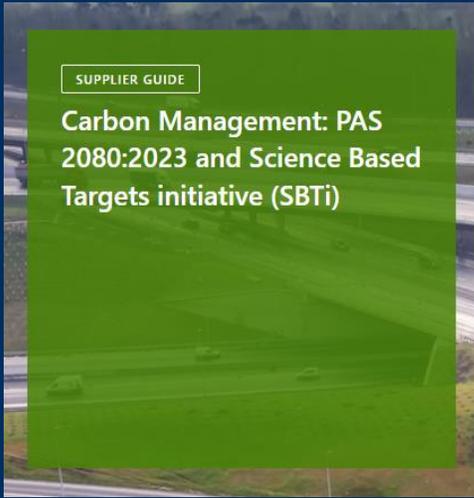
Be PAS2080 certified by 2025 (note exemption for small and micro suppliers)

Have set an SBTi aligned target

Have BREEAM standard of 'Very Good' or better

All suppliers will commit to meet the key aims set out in the Net Zero Highways Plan 2030-2050

Visit the Carbon Hub now!



Visit the Carbon Hub



Other Resources

 [Low Carbon Opportunities Register](#)

 [CMS, PAS 2080, and SBTi Supplier Guide](#)

 [Carbon Management System](#)

 [Read our FAQs](#)

 [Complete SCSS carbon e-learning modules](#)

 [Browse the Net Zero Knowledge Zone](#)

Supplier experience: PAS 2080



Using the timeline and planning

We collectively went through the requirements and identified the main components of PAS 2080 relevant to us

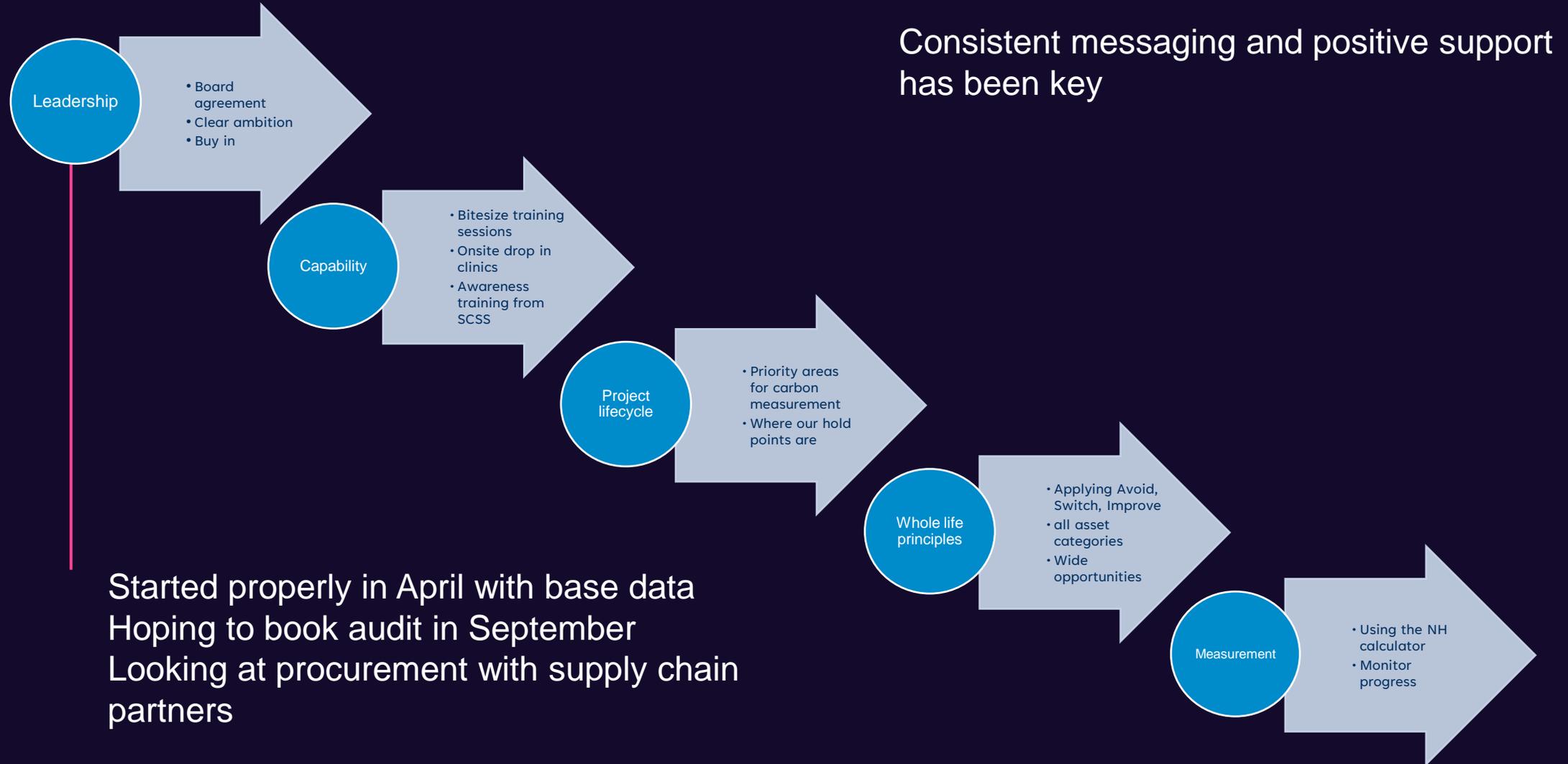
Started the gap analysis with what we have

Concurrently developing plan to reduce carbon and upskilling our staff



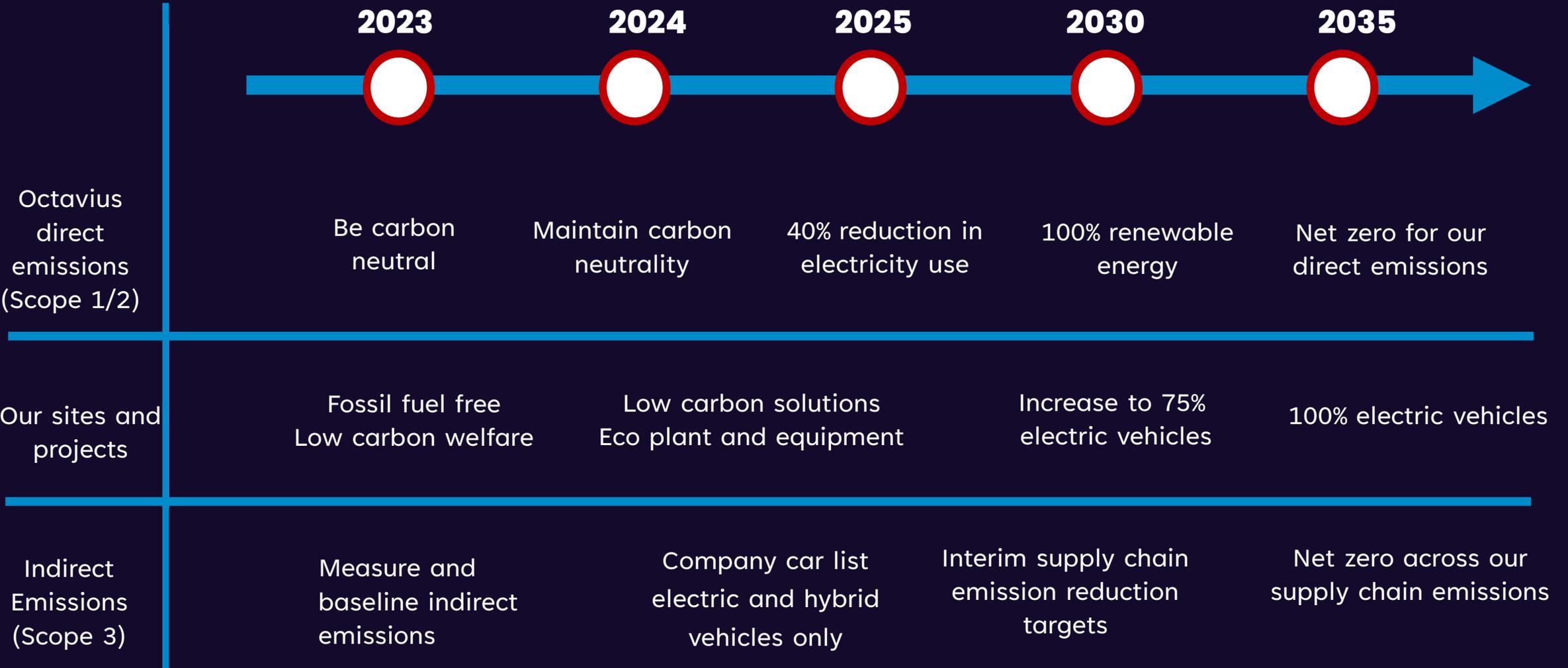


Key areas of focus





Our priorities identified





Using the timeline and planning

Advice

- Don't need to have all the answers all at once
- Use what you have already have where possible
- Gap analysis has been key and takes time
 - Working across business functions to see what we have evidence for
 - What is already working or not working, what is missing
 - What processes or procedures do we need to develop

Challenges

- Recognising not a 'sustainability' practitioner role but one where all roles have a place
- Determining simple points of intervention
- Getting base data to do assessments
- Query on why Science based targets needed as well
- Needs resource to support

Discussion Session

