SCOTLAND'S RAILWAY
GREENER IN THE MAKING

Climate Action Plan

2024 - 2029

Version:

This is Version 1.0 of our Climate Action Plan published in June 2024. Any amended versions will be available and free to download on the Scotland's Railway website at www.scotlandsrailway.com.

Context:

This Climate Action Plan has been published aligned to Network Rail's Control Period planning timeframe. To understand the wider context of this plan we recommend reading the CP7 Delivery Plan for Network Rail Scotland, and the dedicated Climate Ready Plan that provides more detail on our approach to climate change adaptation. Both documents are available on Network Rail's website.

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Foreword

Our climate is changing, and we regularly feel its impacts on Scotland's Railway. Adverse and extreme weather events can impact services for our passenger and freight customers, causing delays and cancellations which affect the communities that rely upon the railway.

But, much worse than inconvenience, the future impacts of climate change mean our infrastructure is more vulnerable to flooding, landslip, and other weather-related issues. Extreme heat in the summer can cause rails to buckle, and deeper cold spells can cause rails to crack, and when this happens our services can't run and journeys are affected.

It's our duty to work as hard as we can to avoid these risks, to be responsible custodians of the beautiful environment that Scotland's Railway has the privilege to run through, and to bring positive impacts to our communities. So, together, we've developed this plan for the next five years, aiming to serve Scotland - now and in the future - with a greener, more resilient, and responsible railway.

'Taking Climate Action' is one of our priorities and we're making great progress through decarbonisation of the network, identifying ways to eliminate fossil fuel use, increasing energy efficiency, and deploying renewable energy across our buildings.

But we're also driving forward climate action in other ways - for example, by enhancing biodiversity while carrying out vegetation management works and our work to improve biodiversity in partnership with other agencies, such as Forestry and Land Scotland.

We've also extended our biodiversity projects to provide engagement sessions for local schools and community groups while continuing to target work to increase public access to Scottish nature reserves via train services and active travel. And our work to develop and improve the rail network delivers social value benefits through job creation, training opportunities, and by reconnecting communities to the network.

While we have a responsibility to look after the environment around us, and the communities that we serve, we're doing this because it's the right thing to do. We're committed to delivering this plan and everyone across Scotland's Railway needs to play their part – every role will have a contribution to make, including our colleagues and partners in our supply chain.

We're proud of the contribution our teams across Scotland's Railway are making to take climate action. By working together, we can all make a difference.

Liam Sumpter
Managing director, Network Rail Scotland

Joanne Maguire
Managing Director, ScotRail

Executive summary

Scotland's climate is changing at an unprecedented rate. As a result, government and society are responding to both mitigate the root cause of climate change through reducing greenhouse gas emissions, and by preparing for expected further changes in our climate through adaptation. Scotland's Railway is choosing to take climate action in a way that promotes and enhances biodiversity and also delivers social benefit for Scotland.

Our vision is simple: To serve Scotland – now and in the future – with a greener, more resilient and responsible railway.

Our Climate Action Plan

This Climate Action Plan for Scotland's Railway outlines what we will deliver over the next five years (2024 to 2029) to play our part in addressing the climate crisis. The Plan covers the actions of both Network Rail Scotland and ScotRail Trains Ltd under the Scotland's Railway partnership to dovetail into the overarching strategic objectives of Scotland's Transport Strategy and align with the RSSB's Sustainable Rail Blueprint.

The actions we plan to take are set out over five priority areas – Climate Ready, Net Zero, Environmental Management, Biodiversity and Social Value. Each priority area has at least one high level objective to be achieved throughout the term of the plan, and each priority area has its own delivery plan which includes outcomes, milestones and actions to support its successful delivery.

We are mindful that this is a 5-year plan, and that achieving ideal sustainability outcomes will require our work to extend beyond this timeframe. This is why some of the actions identified contain the development required for longer term results and allows us to be well prepared for future climate action in the years and decades to come. For example, we understand the carbon reductions that are necessary along the trajectory towards Net Zero by 2045 but have developed 5-year interim targets along the way. This helps us to break down the massive job of achieving such high-level objectives into bite-sized chunks and aligns with our Control Period funding structure.

> " Our vision is simple: To serve Scotland – now and in the future – with a greener, more resilient and responsible railway.

Priority Area	Intent	Objectives
Climate Ready	Our plan to prepare our railway and organisation for further anticipated changes in our climate.	Increase our adaptation capability maturity score from 2.5 to 4 as measured by the Rail Safety and Standards Board rail sector adaptation capacity assessment.
Net Zero	Our plan to drive down our own greenhouse gas emissions and adopt other climate action priorities, such as the circular economy.	Reduce operational (Scope 1 & 2) emissions by 65% against a 2018/19 baseline.
		Improve data relating to our wider carbon footprint (Scope 3) and enable total emissions reporting by the end of CP7.
Environmental Management	Our plan to minimise the negative impacts of our actions on the planet while promoting opportunities for improvement.	Use risk and assurance-supported data to set targeted objectives each year, aimed at reducing environmental incidents and actions raised.
Biodiversity	Our plan to protect and enhance the natural capital associated with our railway.	Aim to increase biodiversity by 4% from the 2020 baseline.
Social Value	Our plan to centre people at the heart of our climate action ambitions.	25% increase in initiatives assessed with the Rail Social Value Tool, and value creation reported regularly

Contents

Section 01

Introduction

Introduction

The Importance of Scotland's Railway

Scotland's Railway provides substantial benefits for the people of Scotland and to those who visit. In 2021/22 there were 52.5 million passenger journeys – this was higher than the 15.6 million passenger journeys in 2020/21 during the pandemic but still significantly lower than the 100 million passenger journeys in 2019/20.

Scotland's Railway also provides vital, sustainable, route to markets, supports our economy and reduces harmful emissions, for example, in 2021/22 freight customers moved 4.2 million tonnes of goods by rail. Per tonne of cargo, rail freight produces 76% less carbon dioxide than road freight and each freight train removes up to 129 heavy goods vehicles from the road.

More widely, the railway is a major contributor to sustainable economic growth, works hard to positively improve the environment, and is a key contributor to an integrated public transport network and Transport Scotland's overall priorities.

When we asked our colleagues in 2023 what would Scotland's Railway look like in 2030, there was a keen focus on being climate ready, improving biodiversity and reducing our emissions.

A visual summary of the results of those sessions is included in the illustration below.

Climate action and Scotland's Railway in 2030

Our Climate Action Plan responds to this engagement and also meets requirements of the Scottish Government, our funder, and our regulator the Office of Rail and Road (ORR). Our obligations in this area are set out in legislation, Transport Scotland's High Level Output Specification and the ORR's Final Determination.

The plan also contributes to the overarching strategic objectives of Scotland's Transport Strategy, Network Rail and ScotRail's sustainability strategies and other industry-strategies such as the Sustainable Rail Blueprint. Figure 1 illustrates the key influences of the development of the Climate Action Plan.
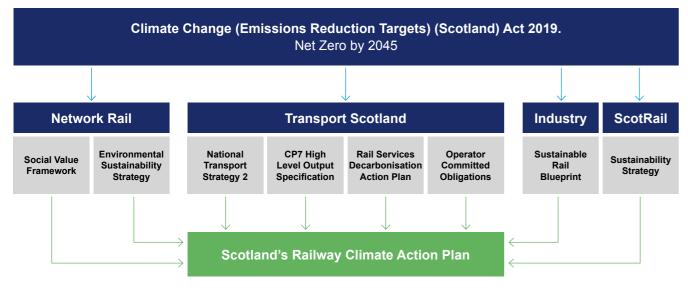

Figure 1: Key documents influencing the development of the Climate Action Plan

Climate Change

As a large organisation, our operations can directly impact our local and global environments – running Scotland's Railway generates significant greenhouse gas emissions through powering trains, operating our stations and maintaining the network. It is important that we understand and acknowledge these impacts, and that we take action to improve them.

We also recognise that our railway is an important part of the solution to the climate crisis. Through offering a low-carbon mode of mass transport to our passengers and freight customers, the service our railway provides will be an essential part of Scotland's journey to achieving net-zero emissions by 2045.

Our Vision

Given the integral role that we play in making a positive contribution to the economy, environment and society in the face of the challenge of climate change, our vision is clear:

"

To serve Scotland – now and in the future – with a greener, more resilient and responsible railway.

Our Plan

Our Climate Action Plan aligns to the Network Rail planning timeline for Control Period 7 – this is the five-year period over which Network Rail receives its funding, covering 2024-2029.

To manage the broad range of themes, actions and skillsets required to deliver climate action, we have arranged our Climate Action Plan into five priority areas, those are:

Climate Ready: Our plan to prepare our railway and organisation for further anticipated changes in our climate.

Net Zero: Our plan to drive down our own greenhouse gas emissions and adopt other climate action principles, such as the circular economy.

Environmental Management: Our plan to minimise the negative impacts of our actions on the planet while promoting opportunities for improvement.

Biodiversity: Our plan to protect and enhance the natural capital associated with our railway.

Social Value: Our plan to centre people at the heart of our climate action ambitions.

Together, delivery of actions under each of these five priority areas will allow us to:

- Support the wider climate action movement in Scotland, and to play our part in delivering key national targets and regulatory commitments (for example, achieving net-zero emissions by 2045).

- Provide transparency and confidence to our stakeholders on the actions we will deliver over the next five-years.

- Enhance the positive impacts our operations can sometimes have on the environment (and reduce the negative impacts).

- Build and foster a culture for Scotland's Railway where our people are empowered to take positive climate action aligned to our objectives.

- Actively address the risks to our business related to our changing climate and the transition to a low carbon economy.

Our Methodology

Five steps were taken to the develop our Climate Action Plan.

1. Review of previous plan and external best practice

We reviewed our previous plan and identified what worked well and what could be improved by obtaining stakeholder feedback. We also reviewed other current public sector climate action plans to learn from industry best practice.

These reviews led to key changes including:

- Reducing the number of action plan theme areas from ten to five.
- Identifying single points of contact for each of the five priority areas.
- Creating an action plan structure where progress could be better measured and monitored.

2. Development of first draft

The five leads for each priority area developed a high-level first draft of objectives, outcomes, and milestones based on:

- Engagement with key teams across Scotland's Railway on their views of what our ambitions should be.
- The requirements of our funder and regulator in this space, e.g., those outlined in the High-level Output Specification from Transport Scotland.
- What we need to do to actively contribute to key national legislative and policy commitments e.g., meeting the interim carbon reduction targets set by Scottish Government.
- Funding and resource available to Network Rail Scotland over the next five-years and the next annual (2023-24) ScotRail planning cycle.

3. Endorsement of high-level Action Plan

The proposed high-level action plan objectives, outcomes, and milestones were presented to both Scotland's Railway Sustainability Steering Group and Sustainability Programme Board (see Section 4) for their review and approval.

4. Development of Delivery Plans

The leads for each priority area developed more detailed delivery plans where specific actions to achieve our high-level objectives were identified. These actions were then refined at a workshop for circa 40 key stakeholders from across Scotland's Railway.

5. Final Approval

The refined delivery plans were then presented to Scotland's Railway Steering Group and Board for their final review and approval.
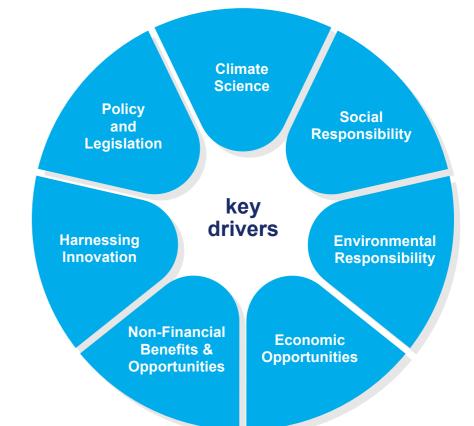
In total, over 100 colleagues from across Scotland's Railway contributed to the development of our Climate Action Plan.

Climate Action Plan workshop

Section 02

Drivers

Drivers

The key drivers for developing this Climate Action Plan can be categorised into seven key areas:

Policy and Legislation

In developing our Climate Action Plan, we considered key international and national policies and legislative drivers, extending beyond those of Network Rail and ScotRail to those presented by our external funders and regulators.

These key policy and legislative drivers have been categorised into four distinct groups (Fig. 2):

- International drivers
- External funder and regulatory drivers
- National strategies, policies and legislation
- Internal strategies and policies

This approach ensures our Climate Action Plan adheres to international and national regulations, and also helps to deliver the Scottish Government's vision of net-zero greenhouse gas emissions by 2045, the UN's Sustainable Development Goals, the aims of the second National Transport Strategy and the delivery of the Rail Services Decarbonisation Action Plan.

Figure 2 also identifies how each priority area is influenced by each policy and legislation. For example the Public Procurement Strategy influences Climate Ready, Net Zero and Social Value priority areas, however Waste (Scotland) Regulations 2012 primarily influences Environmental Management.

Figure 2: Key policy and legislative drivers

International Drivers					
Sustainable Development Goals (SDG's)			Sustainable Development Goals (SDG's)		
External Funder & Regulatory Drivers					
OR final Determination†		Transport Scotland High Level Output Specification (HLOS)		Grant Agreement*	
National Strategies, Policies & Regulation					
The Climate Change (Scotland) Act 2009 **C N**	Climate Change Emissions Reductions Targets (Scotland) Act 2019 **C N**	Transport Scotland's National Transport Strategy 2020 **C N E S**	Scottish Government's Climate Change Plan 2018-2032 (2020) **C N E B**	Scottish Government's National Planning Framework 2020 **A**	Making Things Last: a circular economy strategy for Scotland **N E**
National Performance Framework **E S**	Cleaner Air for Scotland: the road to a healthier future **C N E S**	Scotland's Climate Change Adaptation Programme (2019 - 2024) **C N B S**	Scotland's National Adaptation Programme (2024 - 2029) **C N B S**	Transport Scotland: Approach to Climate Change Adaptation & Resilience **C**	The Environment Strategy for Scotland: visions and outcomes **A**
Scottish Biodiversity Strategy to 2045 **B**	The Air Quality (Scotland) Amendment Regulations 2016 **E**	Environmental Protection (Duty of Care) (Scotland) Regulations 2014 **E**	Waste (Scotland) Regulations 2012 **E**	The Great Britain Invasive Non-Native Species Strategy **B**	Wildlife and Natural Environment (Scotland) Act 2011 **B**
Heat in buildings strategy **C N S**	Public Procurement Strategy **C N S**	Scotland's Climate Change Plan 2018 - 2032 **C B N E**	Nature Conservation (Scotland) Act 2004 **B**	Building a Greener Railway **N E B S**	
Internal Strategies & Policies					
Environmental Sustainability Strategy† **A**	Responsible Railway Plan† **A**	Business Plan & Business Commitments* **A**	Scotland CP7 Strategic Business Plan **N B**	Weather and Climate Resilience Strategic Framework† **C**	Traction Decarbonisation Network Strategy† **N**
Social Value Framework† **S**	Climate Resilience Plan* **C**	Biodiversity Action Plant† **B**	Scotland's Railway Sustainability Policy **A**	Environment Policy† **C B N E**	Social Performance Policy† **S**
Weather Resilience & Climate Change Adaptation Policy† **C**	Energy & Carbon Policy† **N**				

KEY: †Network Rail only *ScotRail only

A All themes   **B** Biodiversity

C Climate Ready   **E** Environmental Management

N Net Zero   **S** Social Value

Climate Science

Scotland's climate is changing. It's getting warmer (Fig. 3), rainfall patterns are changing, and weather extremes are becoming more frequent and often more severe. For Scotland's Railway, climate change means our infrastructure can be vulnerable to flooding, landslip and other weather-related issues. Extreme heat in the summer can cause rails to buckle, and deeper cold spells can cause rails to crack.

Scotland's Current Climate

Scotland has a temperate maritime climate, characterised by relatively mild temperatures and frequent rainfall throughout the year, though typically cooler and wetter than the rest of Great Britain.

The west of Scotland tends to be milder and wetter than the east due to the direction of prevailing weather systems and shelter provided by topographic highs in the west.
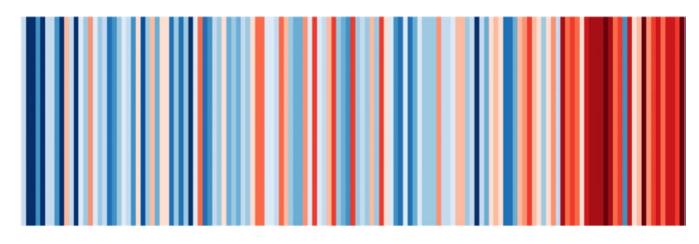
Parts of the North-West Highlands record around 3500mm of rainfall on average each year. The wettest locations on average (northwest of Fort William) record over 4000mm. The driest areas of Scotland, in the East, record around 700mm of rainfall in a typical year.

Scotland's Climate is Changing

In recent decades there has been a notable shift in Scotland's climate, evidenced through an extensive collection of scientific observations.

According to the latest State of the UK Climate Report from the Met Office, when compared to earlier in the 20th Century:

- The average annual temperature recorded in Scotland has increased by around 0.8°C.

- Average rainfall totals recorded in Scotland have increased by over 100mm a year.

Figure 3: The warming stripes – a visualisation of Scotland's warming climate. Each stripe represents the average temperature recorded each year since 1884 (left) to 2022 (right) in Scotland. Warmer colours indicate years with above average temperatures, cooler colours indicate years with below average temperatures. Recent decades have been dominated by warmer than average years.

Additional observations from the Met Office tell us that:

- The 10 warmest years recorded in Scotland since records began have all occurred since 1997 (Fig. 3).

- 2022 was Scotland's warmest year on record and recorded the highest daily maximum air temperature of 34.8°C at Charterhall in the Borders on the 19th of July.

According to data issued by Dynamic Coasts :

- Scottish tidal records show that over the past 20 years, relative sea-levels around Scotland have been increasing on average by 3 mm/yr.

- Rates of erosion on our soft coastline (dunes / beaches / soft sediment) have nearly doubled since the 1970's to 1m/yr.

Scotland's Future Climate

The changes we have already observed in Scotland's climate are projected to continue, and in some cases intensify.

In 2021, Adaptation Scotland published a Scotland specific analysis of the Met Office UK Climate Projections. This guide summarised the key changes we expect to see in Scotland's climate across all future climate scenarios – the key messages are:

- Average temperatures will increase across all seasons.

- Summers will become increasingly warmer and likely drier.

- Winters will become increasingly warmer and wetter.

- An increase in heavy, convective type rainfall across all seasons.

- Sea-levels will continue to rise.

- Cold weather hazards (frost / snow) will likely reduce in frequency.

- Our weather will remain variable and may become more variable

Social Responsibility

The railway brings benefit to our communities by connecting people to their work, health and leisure destinations, and we are ideally placed to collaborate with others to enrich the lives of the people within the communities that we serve.

We've made great strides in understanding the social value of our activities. We now measure the social value of our projects – for example, one of the projects we're currently delivering on behalf of the Scottish Government at Levenmouth has delivered social value benefits through job creation, training opportunities and by reconnecting communities to the network.

It is our responsibility to actively manage and promote the many social benefits of rail.

Environmental Responsibility

We are responsible custodians of the landscape through which the railway travels. It is our duty to minimise waste and to use resources as efficiently as possible, and to serve our communities well, without doing harm.

Our work to decarbonise rail – switching from diesel to electric traction power and providing quicker, more modernised services – enables a swifter move to net zero for Scotland as a whole. The more we can encourage people out of cars and onto trains reduces country-wide emissions. That's why our works to electrify the railway are so important.

Economic Opportunities

As climate change intensifies, the railway faces increased financial burdens. The key aspects of the financial case for climate action across Scotland's Railway, detailed in this section, underscore the urgent need for sustainable strategies.

Operational Efficiency

Energy prices have risen dramatically since mid to late 2020 and as these prices increase, savings achievable from energy efficiency measures are greater. A reduction in operational energy and increased efficiency in lineside buildings can help to reduce costs.

An increase in electrical rail fleet also has financial benefit as electric trains are often more energy-efficient than their diesel counterparts.

Reduced Material Cost

A reduction of waste through the reuse of good quality materials and sharing of surplus materials across the country can help reduce project costs.

Meeting Regulatory Requirements

Government and regulatory bodies are increasingly imposing stricter emissions standards and environmental regulations. Proactive investment in cleaner technologies and sustainable practices may avoid potential future fines and penalties associated with non-compliance.

Risk Mitigation

Scotland's Railway is committed to ensuring the safety of passengers and workers with the promise of 'Everyone Home Safe Every Day'. Extreme weather events can result in disruption to services. Investing in climate-resilient infrastructure and technologies will help us to run a safe and reliable service for our passengers in the decades ahead and as our climate undergoes further change.

Supplier and Passenger Loyalty

Adopting climate conscious practices not only contributes to a positive corporate image but also aligns with the growing environmental consciousness of consumers and businesses.

Supporting climate action can attract environmentally aware clients and enhance customer loyalty.

In 2022, a study was conducted in which 15,000 UK rail passengers were asked, 'What matters most to them for rail travel?'. The highest scoring climate related factors were 'A railway that can cope with adverse weather events', and 'An environmentally responsible railway that is reducing its carbon emissions'. Understandably price, punctuality, security and cleanliness were some of the higher ranking factors but it is reassuring that climate considerations featured in the top 25.

Financial Cost of Extreme Weather

Schedule Eight is a compensation system that ensures both Network Rail (the infrastructure operator) and train operators (e.g., ScotRail) are not financially impacted for delays that they can sometimes cause each other (for example, if Network Rail needs to close a line due to forecast extreme weather or damage caused to infrastructure by extreme weather).

Since 2006/07, over £145m has been paid out in Schedule Eight costs by Network Rail, in Scotland. Disruption linked to high winds and flooding account for the greatest proportion of these payments (£46m and £41m respectively), snow (£22m) and adhesion (£15m). Disruption linked to subsidence, heat, lightning, cold and fog are also tracked.

Non-Financial Benefits and Opportunities

For some actions – for example saving energy – simple payback cost savings can be calculated, meaning that the case for investment is a simple one to make. But demonstrating the financial benefit of, for example, investment in biodiversity enhancements or pollution prevention is somewhat harder to articulate.

However, we are becoming more mature in the ways that we can articulate the social aspects of our work, and we will continue to measure these benefits using the Rail Social Value Tool. This tool assigns a relative monetary value to initiatives in accordance with UK Treasury Green Book principles . Utilising the tool allows us to demonstrate empirically the social value created by Scotland's Railway and further enhance our strong relationships with communities.

We know that we have much more to do to be able to demonstrate the real value of all our sustainability actions, in ways that our funders, regulators and customers understand. There are specific topics in our Climate Action Plan to help us move this forward over the next five years, including

improving our data maturity and learning from others so that we can clearly demonstrate the real value, including the non-financial benefits, of the positive actions that we're taking.

Harnessing Innovation

The ways in which we can take climate action are diverse, and technology is changing at a lightning pace. We need to be able to take advantage of the new opportunities that will present themselves as sustainability solutions evolve.

The way in which we embrace new innovations will differ, depending on the subject and situation and we appreciate that some technologies may not be suitable for railway applications. Where they are appropriate and we can attract appropriate funding, we will trial innovative technologies to make sure they're fit for purpose and give us the benefits we expect. Where they work well, we will plan to bring them into business-as-usual practices.

Research, development and innovation funding is available within Network Rail and we will look to grasp opportunities in this area to bring new innovations to Scotland's Railway.

Section **03**

Our Climate Action Plan

Our Climate Action Plan

Structure

The actions we will deliver to play our part in addressing the climate crisis over the next five-years have been categorised into five priority areas:

Climate Ready: Our plan to prepare our railway and organisation for further anticipated changes in our climate.

Net Zero: Our plan to drive down our own greenhouse gas emissions and adopt other climate action principles, such as the circular economy.

Environmental Management: Our plan to minimise the negative impacts of our actions on the planet while promoting opportunities for improvement.

Biodiversity: Our plan to protect and enhance the natural capital associated with our railway.

Social Value: Our plan to centre people at the heart of our climate action ambitions.

Each theme has an accompanying Delivery Plan which follows the same structure as shown in Figure 4 where there is an overarching objective accompanied by a set of outcomes. Sitting under this are milestones and supporting actions to set out how we will achieve our objectives. Detailed Delivery Plans for each priority area are included in Appendix B.

Figure 4: Delivery Plan Structure

Scotland's Railway Climate Action Plan	
Theme	**High level action area e.g., Biodiversity**
Objective	A clear statement of what we want to achieve. Each of the five action plan themes have an objective that together define the overall goals of our plan. Our objectives are specific, measurable, achievable, relevant, and time-bound.
Outcomes	The outcomes are the expected positive results or impacts of achieving our objectives. They provide a broader perspective on the benefits we expect to see as the plan is delivered.
Milestones	Milestones are key events or achievements that will be delivered as the plan progresses. They will help us monitor progress and provide an indicator as to whether the plan is on track or not.
Actions	Actions are the specific steps or tasks we need to take to reach milestones and deliver intended objectives. They outline the practical on-the-groundwork.

We recognise there are important synergies between the outcomes and actions identified under each theme and these are mapped out in Figure 5. For example, our plan to promote and enhance biodiversity could also help improve the resilience of our railway against adverse and extreme weather conditions.

Synergies between the Climate Action Plan themes

Figure 5: Synergies between Climate Action Plan priority areas

Climate Ready

Preparing our railway and organisation for the changing climate

Need to know:

- Increased levels of greenhouse gases in the atmosphere are causing our planet to warm. As our planet warms, other elements of our climate system change, for example changes to patterns of rainfall.

- In Scotland, this change is already happening. It's warmer than it once was, rainfall patterns have changed, and certain weather extremes are occurring more frequently and are often more severe. We know these changes will intensify in the decades ahead.

- This change in our climate has an impact on our railway, for example, more frequent disruption caused by heavy rainfall and associated flooding, or more frequent and record-breaking hot days impacting our railway infrastructure.

- We are responding to this change in climate by working to make our railway 'climate ready'. This means working hard to make our railway infrastructure more robust and resilient against these changes in climate.

- It also means improving our knowledge and understanding of how climate change will impact our railway and using new insights gained to inform the decisions we make on the future resilience of our railway.

Climate Ready

Our railway in Scotland connects communities and businesses across the country, navigating challenging environments that place it on the frontline of Scotland's often harsh climate.

The weather conditions we expect to see, and plan for, in Scotland are changing. In fact, there has been a sustained and notable shift in our climate in recent decades (see Section 2, Climate Science). It's warmer than it once was, rainfall patterns have changed, and certain weather events are occurring more frequently and are often more severe.

In response to the changes in climate we have already experienced, and the changes we are likely to see in the decades ahead, we are working hard to make Scotland's railway 'climate ready'.

This means we are, for example, improving the ability of our infrastructure assets to cope with more frequent weather extremes and transforming our approach to undertaking climate change risk assessments.

Outcomes

Over the next 5-year period we have set ourselves the challenge of achieving the following four key outcomes:

1.

The decisions we make are based on a maturing understanding of climate-related risk.

This includes actions to enhance our approach to undertaking climate risk assessment – for example maturing towards more quantitative assessments of physical climate risk. It also includes expanding the scope of our climate risk assessment activities to better understand transition, operational and people-related climate risks.

2.

A long-term climate adaptation and resilience strategy increasingly guides investment.

This includes the development of 'Adaptation Pathways' for locations on our railway where a more transformational approach to climate adaptation and resilience will be required. Development of these pathways will help us to better understand the long-term climate adaptation and resilience investment needs of our railway.

3.

Our assets are made increasingly resilient to acute weather events, as well as longer-term, more chronic changes in climate.

This includes actions to improve the resilience of our infrastructure assets against adverse and extreme weather events, as well as longer-term changes in climate. For example, the incremental resilience achieved through our business-as-usual programme of asset renewals and refurbishments.

4.

Our 'climate ready journey' is underpinned by a maturing foundation of risk, assurance, competence, and data insights.

This includes actions to provide new and improved training and upskilling of our people so that we can make better decisions around the future resilience of our railway.

As part of Network Rail Scotland's planning process for Control Period 7, there was a requirement to develop a standalone Weather Resilience and Climate Change Adaptation Plan.

A dedicated Climate Ready Plan that meets this requirement can be found on the Scotland's Railway website. A summary of this plan is also available in Appendix B of this document.

Climate Ready Delivery Plan Summary

OBJECTIVE: Increase our adaptation capability maturity score from 2.5 to 4 as measured by the Rail Safety and Standards Board rail sector adaptation capacity assessment		
Outcomes	**Milestones**	**Measuring Progress**
1. The decisions we make are based on a maturing understanding of climate-related risk.	1. A revised approach to undertaking physical climate change risk assessments of our infrastructure is delivered. 2. The scope of our climate risk assessment activities is expanded to consider additional forms of climate risk (e.g., transition and operational climate risks).	
2. A long-term climate adaptation and resilience strategy increasingly guides investment.	3. Long-term climate change adaptation plans are delivered for the most at risk route sections / locations. 4. A long-term climate change adaptation strategy is delivered for Scotland's Railway.	**Key indicator:** Status of action plan milestones. **Secondary metrics for internal monitoring:** 1. Schedule 8 delay minutes attributed to weather.
3. Our assets are made increasingly resilient to acute weather events, as well as longer-term changes in climate.	5. A programme of business-as-usual asset resilience activities is delivered as set out in asset workstreams of the Climate Ready Plan (link to be added).	2. Passenger Performance Measure and delays attributed to weather. 3. Delivery of asset intervention volumes (where providing weather or climate resilience) tracked through a report of authorised investment.
4. Our 'climate ready journey' is underpinned by a maturing foundation of risk, assurance, competence, and data insights.	6. A programme of risk and assurance activities is delivered to improve confidence in weather and climate resilience decision making. 7. Routes to weather and climate resilience competence are established. 8. An enhanced approach to how we review, and monitor, the impact of weather events on our railway. is delivered.	

Net Zero

Taking action to limit climate change by minimising our Greenhouse Gas Emissions

Need to know:

- Despite the international agreements made in the Kyoto protocol almost 30 years ago and the Paris Accord some 18 years later, global emissions from fossil fuels in 2022 were the highest ever recorded.

- Scientists assert that to avoid catastrophic climate change, global emissions need to have peaked by 2025 at the absolute latest. We are running out of time.

- Rail provides a low-carbon form of mass transport. However, it is energy intensive and there are lots of opportunities for more carbon efficient ways of providing our services.

- 78% of Scotland's Railway's emissions are outside of our direct control – for example through our supply chain and our purchasing. These are more difficult to tackle. Yet, for the next 5 years, the objectives that we have been set are focussed on emissions reduction within our close sphere of control.

- Nevertheless, we have actions in our plan to start to tackle our wider carbon footprint as we recognise the urgency of the climate crisis and our responsibility to do all we can to reducing our overall emissions.

- We are committed to achieving Net Zero emissions for our total footprint by 2045. We have a desire to achieve Net Zero for those emissions within our control by 2030.

Net Zero

Moving thousands of people and hundreds of thousands of tonnes of freight is, by its nature, an energy intensive business, and this means high carbon emissions. And, as we maintain, improve and extend the railway, much more CO2e is emitted from our works and those of our contractors, and even more is embedded in the products and materials that we buy to effectively run the railway.

So, the way in which we run the railway must change. We need to become much more energy efficient, to make the switch from fossil fuels to cleaner forms of energy, and the energy that is necessary for us to operate the railway needs to be sourced from renewable generation.

We must learn to use materials in our infrastructure projects which have a lower carbon content than those that we have previously used. We need to be creative in our design, removing carbon right at the start of, and throughout, our planning processes. And we need to consider how we can minimise waste, so that we are reusing, repurposing, or recycling materials that might otherwise have been discarded. This means considering the full carbon lifecycle of all of our assets.

Outcomes

The plan that we have developed for the next five years aims to address these aims through a series of defined objectives and actions.

1.
Scotland's Railway remains on track to achieve net-zero emissions by 2045 at the end of CP7

To understand the work we need to do to achieve net zero emissions, we have calculated Science Based Targets for Network Rail Scotland, aligned to Scottish Government timeframes to achieve net zero by 2045. This work tells us how much carbon, and from where, we need to remove from the system to achieve this goal. The work included in this outcome area extends development of Science Based Targets to ScotRail so that we can plan reductions across Scotland's Railway.

We also know that we need to improve our data accuracy on Scope 3 emissions, and this is included in our plan. We will work with our supply chain to encourage them to reduce their own emissions and we will work to introduce circular economy principles in our projects and operations. Finally, we will embed whole-life carbon assessment and considerations in our major projects.

2.
Scotland's Railway achieves Net Zero Carbon emissions in Scopes 1 & 2 by the end of CP7

We aim to achieve net zero in the emissions we have most control over, by the end of the control period. To do this, we will implement energy efficiency projects throughout the non-traction estate. These projects will enhance the efficiency, and reduce the carbon impact of lighting, heating, and air conditioning systems. Additionally, the action to transition Network Rail Scotland's fleet to zero emission vehicles is also included.

We will strive to reduce emissions in Scopes 1 and 2 as far as possible within the funding envelope that's granted by Scottish Government for sustainability measures. We'll also make best use of available alternative funding streams, partnerships and third-party investment, to deliver carbon savings.

Throughout CP7 we'll research and develop potential opportunities to capture any residual carbon emissions. This may be through insetting initiatives, linked to our biodiversity and land management programmes (for example exploring the use of biochar in our works), or through carefully developed Scottish-based offsetting schemes (regional planting, peat restoration or Scottish marine farming schemes for example). Exploring these opportunities forms part of our plan for the coming 5 years.

For further information, please see the more detailed Net Zero Plan for Scotland's Railway (2024-29) at Appendix B.

Net Zero Delivery Plan Summary

OBJECTIVE: • Reduce operational (Scope 1 & 2) emissions by 65% against a 2018/19 baseline • Improve data relating to our wider carbon footprint (Scope 3) and enable total emissions reporting by the end of CP7		
Outcomes	**Milestones**	**Measuring Progress**
1. Scotland's Railway remains on track to achieve net-zero emissions by 2045 at the end of CP7	1. Emissions of CO2e, other gases and particulates from traction diesel consumption are reduced, in line with investment as agreed with Transport Scotland. 2. Science Based Targets for ScotRail are produced and a detailed plan to achieve them is developed. 3. Data accuracy of upstream and downstream emissions is improved, a process and methodology is established to annually report Network Rail Scotland's full carbon footprint as required in the High Level Output Specification. 4. Our suppliers are actively encouraged to reduce their own carbon emissions and report progress. Major suppliers should set their own Science Based Targets. 5. A process and methodology for measuring circularity in capital and works delivery projects is established. 6. A circularity baseline is established, interim improvement targets throughout CP7 are set. 7. System, methodology and guidance are established for recording reductions in whole life carbon in capital investment projects as a result of low carbon design decisions. 8. A whole-life carbon baseline in assets is established to measure reductions against. 9. A methodology to baseline and monitor the net-zero position on a line of route basis is established.	**Key indicator:** Status of action plan milestones. **Secondary metrics for internal monitoring:** 1. Scope 1 and 2 CO2e emissions 2. Scope 3 CO2e emissions 3. Supplier CO2e emissions reduction, and/or development of Science Based Targets Development of methodologies and reporting mechanisms for circularity, whole life carbon and line of route emissions.
2. Network Rail Scotland achieves Net Zero Carbon emissions in Scopes 1 & 2 by the end of CP7	10. An energy efficiency programme in the Network Rail Scotland non-traction estate is delivered to minimise emissions from our own operations. 11. A plan to phase out fossil fuel heating in our buildings is developed. 12. Appropriate cars and light vehicles transitioned to zero emission vehicles in order to meet the road fleet decarbonisation targets set out by Scottish Government.	

Environmental management

Minimising the negative impacts of our actions on the planet while promoting opportunities for improvement

Environmental management

The railway has varying impacts on air quality, through the type of engines and equipment we use, maintenance practices, the volume of traffic and the surrounding environment. As we continue with our decarbonisation programme, we will see a significant step towards reducing emissions which, in turn will bring about improved air quality. Improved air quality will reduce potential harm to our customers and workforce while reducing our contribution to global warming. We want to improve air quality, focussing on areas with most risk; major railway stations, tunnels, train maintenance depots and worksites.

Scotland's Railway's interaction with water involves its use and safeguarding the water environment from pollution. Despite Scotland's abundance of water, it's a finite resource we need to preserve. Over the next five years we will expand our water metering to monitor usage, detect leaks, map discharges, and employ best practices for pollution prevention.

Environmental nuisance encompasses noise, vibration, dust, artificial light, and odours, with the most significant for the railway being noise. We've reduced complaints by decreasing noise at work sites and better informing communities about potential disturbance, We will continue these efforts with an aim to further reduce our noise and nuisance footprint.

Railway waste contributes to the depletion of natural resources, it can be a source of pollution, contributes to climate change, creates health risks and costs money. By reducing our waste output and transitioning more business practices toward a circular economy, we can significantly alleviate these detrimental impacts.

Environmental incidents on the railway can vary widely in their nature and scope, ranging from events with minor impacts such as a small spill, to those causing significant damage, such as a protected sites being destroyed. We want to enhance existing efforts to reduce incidents with proactive measures focussed on risk management, compliance and training.

Outcomes

Over the next 5-year period we will achieve the following five key outcomes:

1.
The impacts of poor air quality are actively reduced

This includes collaborating with stakeholders to review air quality data and update improvement plans for our managed stations, while issuing improved good practice guidance to increase awareness across our workforce.

2.
The water environment is protected

This includes measures to expand our water dataset, improve our knowledge of discharge points and enhance our compliance with water legislation.

3.
Nuisance arising from noise is minimised

This includes partnering with other transport operators, to address noise in areas across Scotland, where its impact is most significant.

4.
Our waste reduction targets are achieved

This includes revitalising current approaches and formulating a fresh waste reduction strategy for Scotland's Railway.

5.
The risk of environmental incidents occurring is reduced

This involves establishing a comprehensive assurance program, enhancing the competencies of our workforce, and refining the methodology for incident reporting.

For further information, please see the more detailed Environmental Management for Scotland's Railway (2024-29) at Appendix B.

Environmental Management Delivery Plan Summary

OBJECTIVE: Use risk and assurance-supported data to set targeted objectives each year, aimed at reducing environmental incidents and actions raised		
Outcomes	**Milestones**	**Measuring Progress**
1. **The impacts of poor air quality are actively reduced**	1. Establish and implement an operational control for environmental air quality. 2. Best practice guidance on air quality at worksites is reviewed and awareness on the front line enhanced.	**Key indicator:** Status of action plan milestones. **Secondary metrics for internal monitoring:**
2. **The water environment is protected**	3. A register of permissions to discharge is established	1. Volumes of waste (tonnes) Reused, Recycled, Recovered in line with nationally agreed metrics
3. **Nuisance arising from noise is minimised**	4. We are actively manging noise and nuisance as a 'Business as Usual' activity.	2. Water discharges (metered and unmetered) by producing a register of those locations
4. **Our waste reduction targets are achieved**	5. A waste reduction strategy for NR depots and work sites is established.	3. Assurance plan findings for follow up as part of continual improvement cycle 4. Environmental incidents 5. Environmental close calls
5. **The protection of the environment is considered a "Business as Usual" activity**	6. Delivery teams are being assurance against environmental requirements. 7. Routes to environmental competence are established. 8. Environmental protection at our depots is enhanced through a network of Environmental Champions.	
6. **The risk of environmental incidents occurring is reduced**	9. Our reporting of environmental incidents (including close calls) and complaints to prevent recurring incidents, is improved	

Biodiversity

Promoting a biodiverse railway through the protection and enhancement of habitats and species

Need to know:

- Biodiversity is currently being lost at a rate faster than has ever been recorded before, resulting in a global decline in nature and its vital contributions to people. This decline in nature is a direct result of habitat loss, climate change, pollution, the spread of invasive and non-native species (INNS) and the overexploitation of nature and its resources.

- Research published in the 2023 Scotland – State of Nature report highlights that Scotland's wildlife has declined by an average of 15% since 1994, with one in nine species facing extinction.

- Our railway is vital for biodiversity as it is home to a diverse range of habitats and wildlife. The railway acts as a green corridor connecting often fragmented habitat, which facilitates the movement of species, provides shelter and resources like food and nesting sites.

- We are committed to supporting biodiversity conservation through the protection and enhancement of the habitat and wildlife that exist on our lineside, while also creating new habitat to maximise the biodiversity potential of our railway estate.

- Our efforts also focus on increasing knowledge and awareness around biodiversity, better supporting biodiversity decision-making by providing the necessary tools and information to do so and ultimately making the management of biodiversity a 'business as usual' activity across Scotland's Railway.

Biodiversity

Spanning an area of around 7,579ha, our railway estate makes us one of the largest landowners in Scotland. As custodians of this land, we have a responsibility to protect and maintain its plants, wildlife and habitat.

Unfortunately, some of the work we do, like preparing our lineside for electrification, requires us to remove trees and other vegetation. In the past, we have been challenged about our approach to balancing the needs of biodiversity along with the need to operate a safe and reliable railway and we want to do much better in this respect.

Recognising the need to improve how we manage biodiversity, we have already taken positive steps in that direction. One example is our work at Dalgety Bay, where we implemented measures to enhance biodiversity alongside vegetation management works. Showcasing that we can prioritise biodiversity alongside safety and performance.

We're committed to finding a balance between biodiversity and operational needs through ongoing collaboration and innovation for sustainable land management.

Outcomes

Over the next 5-year period we have set ourselves the challenge of achieving the following four key outcomes:

1.

Data providing a detailed bottom-up view of biodiversity across Scotland's Railway supports our decision-making

This includes an action to ensure there is a functional system available for the collection, storage, analysis and reporting of all biodiversity-related data across the region.

2.

The volume of Invasive Non-Native Species (INNS) plants in prioritised areas is actively being reduced

This includes actions to develop a method for identifying high-risk locations to ensure we effectively reduce and remove INNS at these sites as a priority.

There are also actions aimed at trialling INNS management techniques and technologies, aimed at tackling INNS at challenging sites where there may be existing challenges around topography or access to site.

3.

Biodiversity is improved through the creation of new, and the enhancement of existing habitat

This includes actions to identify and deliver biodiversity enhancement projects through existing partnerships, and establishing new partnerships with charitable organisations, and other private and public-sector companies will help us to achieve this outcome.

4.

We will create a culture that is competent in making biodiversity-related decisions

This includes actions to provide new and improved training, the upskilling of our people and increasing access to ecological expertise, ensuring we can make better decisions around biodiversity on our railway.

5.

The protection and enhancement of biodiversity is considered a "Business as Usual" activity

This includes actions aimed at ensuring biodiversity protection and enhancement are embedded in our day-to-day activities. For example, implementing habitat management plans, aligned with the vegetation management programme, and undertaking assurance activities to assess the level of compliance with biodiversity management requirements.

For further information, please see the more detailed Biodiversity for Scotland's Railway (2024-29) at <u>Appendix B</u>.

Biodiversity Delivery Plan Summary

OBJECTIVE: Aim to increase biodiversity by 4% from the 2020 baseline		
Outcomes	**Milestones**	**Measuring Progress**
1. Data providing a detailed bottom-up view of biodiversity across Scotland's Railway supports our decision-making	1. A system for collecting, storing, analysing and reporting biodiversity data is created.	**Key indicator:** Status of action plan milestones.
2. The volume of Invasive Non-Native Species (INNS) plants in prioritised areas is actively being reduced	4. A risk-based system for the prioritisation of INNS plant sites is made available.	
3. Biodiversity is improved through the creation of new, and the enhancement of existing habitat	3. 500 hectares of habitat is created or enhanced on or off railway land. 4. Third parties are actively engaged to promote biodiversity, while creating social value, through activities like tree planting, INNS clearance and vegetation management schemes.	**Secondary metrics for internal monitoring:** 1. % increase in regional biodiversity units 2. Implementation of Habitat Management Plans 3. Total hectares of habitat creation and / or restoration 4. Volume reduction of INNS at high-risk sites
4. We will create a culture that is competent in making biodiversity-related decisions	8. Routes to biodiversity competency are established. 6. Our supply chain are actively engaged to promote biodiversity improvements through project work. 7. The ecological capacity in the region is increased.	
5. The protection and enhancement of biodiversity is considered a "Business as Usual" activity	8. A programme for producing and implementing habitat management plans is established. 9. Delivery teams are being assured against biodiversity requirements.	

Social value

Positively impacting people and society

Social Value

The mere existence of Scotland's Railway offers very tangible societal benefits. The rail network creates thousands of jobs, provides training opportunities, and connects millions to employment, education, and leisure.

The 'Social Value' pillar of this action plan seeks to actively manage our impact and maximise social value created. It is essential that we take necessary climate action in a fair and equitable manner, delivering benefits to communities.

Volunteering supports charities and communities whilst enhancing the wellbeing of volunteers. We are committed to providing opportunities to support people across the country. Our volunteer programme is instrumental in building ever stronger relationships with the communities we serve.

There is a multitude of disused and underutilised assets across our network with the potential to deliver wider economic and societal benefit for local communities. In CP6, community organisations and charities (such as Shelter) utilised such assets successfully. We will build upon this by establishing processes to enable community and charitable use of assets.

With our internal teams and supply chain partners, we will embed social value action plans from the outset of major projects and through frameworks. This will empower us to maximise the community and environmental benefits we deliver.

The Rail Social Value Tool is new technology which we have successfully piloted on our projects and activities over the past two years. Using the tool, we can assess the social value created by our business. In CP7, we will use this innovation to measure our impact and demonstrate the social value contribution of Scotland's Railway.

Outcomes

Over the upcoming five-year period, we will work towards accomplishing three social value outcomes. These will be delivered by executing a timed plan which incorporates defined delivery milestones and actions.

1.

Our people, supply chain, charity partners and local communities are inspired to deliver positive societal impact

This includes investigating opportunities for using our buildings and assets for altruistic use and increasing the numbers of colleagues utilising volunteer leave. Furthermore, we will set a strategy for engaging with our charitable partners and improve relationships with Community Rail Partnerships and communities at large.

2.

The social value potential of Scotland's Railway is being realised and tracked

This includes increasing the scope and depth of regional activities recorded on the RSVT as well as maturing how we use the tool. This outcome also includes enhancing the inclusiveness and accessibility of our network.

3.

We are procuring sustainably and delivering social value through our supply chain

This includes developing menu based social value procurement instruments to further embed social value into procurement exercises, improving the reporting and delivery of social value on our contracted works and producing a sustainable procurement charter.

For further information, please see the more detailed Social Value for Scotland's Railway (2024-29) Appendix B.

Social Value Delivery Plan Summary

OBJECTIVE: 25% increase in initiatives assessed with the Rail Social Value Tool, and value creation reported regularly		
Outcomes	**Milestones**	**Measuring Progress**
1. Our people, supply chain, charity partners and local communities are inspired to deliver positive societal impact	1. A strategy for engagement with charity partners is established. 2. The number of colleagues using their volunteer leave is increased. 3. Opportunities to create social value through altruistic uses of buildings and other assets are being actively explored. 4. We are engaging better with communities and community rail partnerships. 5. Routes to social value competence are established. 6. Persuasive material to promote the uptake of social value initiatives in new workstreams and projects is produced.	**Key indicator:** Status of action plan milestones. **Secondary metrics for internal monitoring:** 1. No. initiatives assessed for social impact 2. % of Colleagues using volunteer leave
2. The social value potential of Scotland's Railway is being realised and tracked	7. The use of Scotland's Railway's Rail Social Value Tool is matured. 8. The scope and depth of regional activities recorded on the Rail Social Value Tool is enhanced. 9. Accessibility and Inclusion on our network is enhanced.	
3. We are procuring sustainably and delivering social value through our supply chain	10. A sustainable procurement charter is produced. 11. Menu based social value and sustainability procurement instruments are produced. 12. The delivery and reporting of social value on contracted works is enhanced.	

Section 04

Implementation

Implementation

Governance

Our Climate Action Plan, and performance against it, shall be overseen by our Sustainability Steering Group and Sustainability Programme Board, both of which include representation from Network Rail, ScotRail and Transport Scotland. The Sustainability Steering Group meetings are also attended by representatives of the Office of Rail and Road.

Figure 6: Climate Action Plan Governance arrangements

Each Climate Action Plan priority area has a designated owner who chairs a working group, whose role it is to deliver the plan for that strategic area. If necessary, smaller bespoke 'task and finish' subgroups may exist to deal with a particular issues or work areas.

All actions and milestones in the Delivery Plans are allocated to named individuals who have accountability for delivering them. Milestone deliverables are time-bound and cannot be changed without approval by the Steering Group through an established change control process. Figure 6 illustrates the governance structure for the Climate Action Plan.

Because of the different ways that Network Rail and ScotRail are governed and funded (Network Rail in 5-year periods and ScotRail in one-year cycles) the way in which we manage and report against milestone deliverables in our Climate Action Plan will need to reflect this. The delivery plans presented here cover all of Network Rail Scotland's commitments for Control Period 7 (2024-2029), alongside ScotRail's commitments for 2024. Each year, new milestones will be added into the plan as ScotRail agrees its committed obligations for the year with Transport Scotland. For transparency, progress against milestones will be reported separately.

In addition to this internal governance process, annual progress updates are provided to the national Network Rail Environmental Sustainability Committee, and we publish an annual Sustainability Report, available on Scotland's Railway website.

Environmental Risk and Assurance

We have a responsibility to appropriately manage environmental risk for the railway and do so through established assurance frameworks. These confirm compliance with environmental standards but also enable us to proactively identify, assess, and mitigate emerging risks through our risk review and management processes. They are integral part of the wider assurance process for Scotland's Railway, in which there is also a robust functional audit programme, as well as national and corporate audits.

Our assurance activities, including externally certified environmental and energy management systems, are embedded into operational activities enabling us to take action to reduce the environmental impact operations in the short and medium term while progressing our long-term objectives.
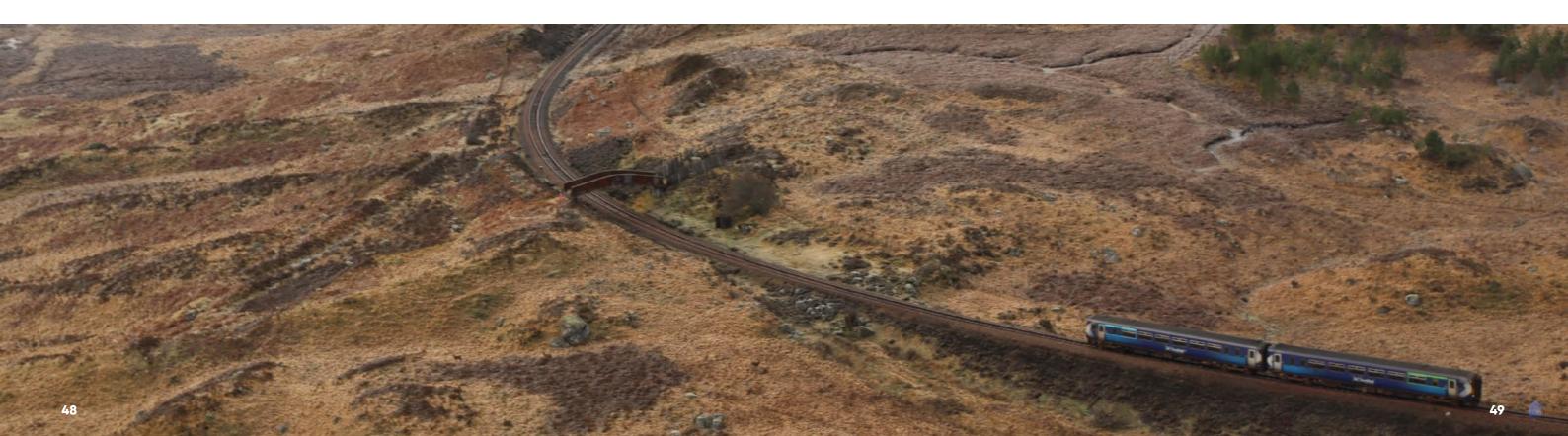
We will continue to deliver our assurance plan throughout CP7, embedding additional assurance activities identified within the Climate Action Plan.

Partnerships

The commitments within our Climate Action Plan are challenging and we will need to draw on support and expertise from the public and private sectors to achieve our aims. Where we can, we aim to work in partnership with others to deliver our objectives whilst achieving best value for money.

We will work closely with other organisations to unlock opportunities, for example:

- By bringing in external funding to deliver schemes in a different way

- Collaborating on mutually beneficial projects which achieve sustainability outputs without prohibitive cost burdens for one party

- Greater engagement with academia to help solve our business challenges and for relevant research and innovation to be pulled into the business to help deliver our strategic priorities

We will work with the freight community to maximise the sustainability benefits of transporting goods by rail. We will seek to build on Scotland's rail freight strategy 'Delivering the Goods' which promotes partnership working to identify new markets and areas for growth and look for opportunities to support longer, faster, greener freight trains. Moving goods by freight rather than road lowers greenhouse gas emissions – rail freight produces 76% less carbon dioxide than road freight and each freight train removes up to 76 heavy goods vehicles from the road.

We will also seek to deliver a freight network resilient to climate change which in turn supports the long-term vision to support a vibrant rail freight sector, which plays a vital role in supporting Scotland's economic strategy through increased routes to market including exports overseas and the efficient movement of goods across Scotland and the UK.

Communication

The way we communicate our progress against the Climate Action Plan will vary depending on the expectations of our various audiences, whether internal to Scotland's Railway or external. We will collaborate closely with our communication teams to ensure effective, timely updates for our stakeholders and highlight our proactive efforts in taking climate action and delivery of key milestones.

Internal Communication

Our approach to communicating progress of our Climate Action Plan within the Scotland's Railway community and to our associated partners has a two-fold approach:

1. Governance reporting – formal reporting to our Sustainability Steering Group and Sustainability Programme Board as outlined in the 'Governance' section.

2. Wider business and supply chain – Deployment of regular and credible communication strategies to inspire employees and our supply chain partners to create a 'culture' of climate action. We will promote transparency and engagement across the business and share positive progress stories and also obstacles encountered along the way.

External Communication

Outward facing communications will include publication of our annual Sustainability Report, available on Scotland's Railway website and regular updates to our website and social media channels. We will be open and authentic in the way we communicate the progress we've made towards our objectives in an engaging way.

Measuring and Reporting Progress

In CP6, we introduced diverse metrics, laying the foundation for indicators specific to our current sustainability targets. In CP7, we will continue to monitor our progress towards achieving our climate action targets and measure our progress towards delivering Scotland's Railway Climate Action Plan.

Through our existing governance process, we will regularly monitor performance against regulatory metrics and our key indicator of performance – our action plan milestones for each of the five priority areas. We will also assess progress and delivery of the Climate Action Plan against secondary indicators as relevant to each priority area. These secondary indicators will provide more insight into the delivery progress of the climate action plan.

Key measurement and reporting methods are summarised in Figure 7, and a full schedule of metrics and reporting requirements is included as Appendix C.

	Climate Ready	Net Zero	Environmental Management	Biodiversity	Social Value
Regulatory Metrics	+	+	+	+	−
Climate Action Plan (Key Indicators)	+	+	+	+	+
Climate Action Plan (Secondary Indicators)	+	+	+	+	+
ScotRail Annual Reporting	+	+	−	−	−
Scotland's Railway Annual Sustainability Report	+	+	+	+	+
ScotRail Grant Agreement Reporting Metrics	−	+	+	−	−
ScotRail Periodic Reporting Metrics	−	+	+	−	−
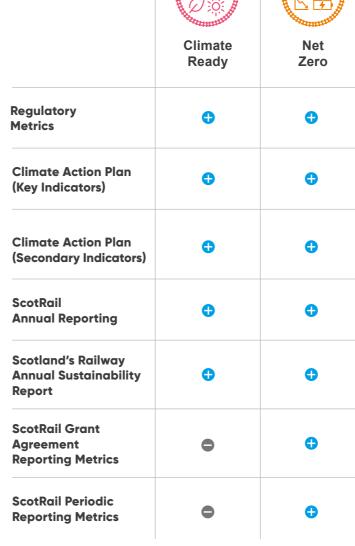
Figure 7: Measuring and reporting on progress – indicators for our Climate Action Plan. See Appendix C for more information

Section **05**

Glossary

Climate Ready:

Adaptation: The act of changing a process, a place, or a system so that it can better cope with changes in our climate (e.g., expanding the capacity of a drain to handle more water).

Adaptation vs resilience: Adaptation is something we do, and resilience is the state we aim to achieve.

Climate change: Increased levels of greenhouse gases in our atmosphere is causing our planet to warm (global warming). As the plant warms, other elements of our climate are changing.

Climate resilience: The capacity of a process, a place, or a system to respond to changes in our climate (e.g., in-depth knowledge of how climate change will impact a drainage system and having the knowledge and confidence in actions that can help resolve these impacts).

Climate risk: A potential negative impact on a process, a place, or a system because of our changing climate (e.g., disruption to our train services because of flooding).

Weather vs climate: Weather refers to the short-term atmospheric conditions at a given time or a given place, for example, how much rain fell today. Climate refers to the longer-term patterns and trends, for example, the amount of rainfall recorded on average in October over the past 30-year period.

Net Zero:

Carbon emissions: This is a general term used to describe all the Greenhouse Gas emissions.

Decarbonisation: The act of reducing carbon emissions.

Greenhouse Gases (GHGs): A collection of harmful gases that exist in Earth's atmosphere and contribute to Global Warming. The main Greenhouse Gas is Carbon Dioxide, or CO2, however other gases are included such as methane, nitrous oxide and hydrocarbons. Collectively, these gases are abbreviated to CO2e (Carbon Dioxide equivalent). The full list of gases and the methodology to measure them is set out in the Greenhouse Gas Protocol.

Net Zero: The balance between the amount of GHGs produced and the amount removed from the atmosphere.

Scope 1 emissions: are direct greenhouse gas emissions that occur from sources that are controlled or owned by the reporting organisation, e.g. emissions associated with fuel combustion in boilers, furnaces, vehicles.

Scope 2 emissions: are indirect greenhouse gas emissions associated with the purchase of electricity, steam, heat, or cooling. They are accounted for by the reporting organisation as they are a result of the organisation's energy use.

Scope 3 emissions: include all sources not within an organisation's scope 1 and 2 boundary. Scope 3 emissions often represent the majority of an organisation's total greenhouse gas emissions.

Environmental Management:

Air Emissions: Gases or particles released into the atmosphere such as carbon dioxide, Nitrogen oxides and particulate matter.

Circular Economy: Minimising waste by reusing and recycling materials, keeping resources in use for as long as possible.

Natural Resources: Materials or substances that exist in the environment and are valuable to humans.

Nuisance: Any condition, activity, or situation that interferes with the reasonable and comfortable enjoyment of the environment by individuals, communities, or wildlife.

Pollution: Introduction of harmful contaminants or substances into the natural environment, causing adverse effects.

Water Discharge: The release or outflow of water from a point source into a body of water such as rivers, streams, lakes, oceans, or even the ground.

Biodiversity:

Biodiversity:	Term that describes the variety of life on Earth, including all living things, like plants, animals, bacteria, and micro-organisms.
Biodiversity Enhancement:	Purposeful actions to improve and increase biodiversity within a specific area.
Ecological Capacity:	Balance between available expertise and the demand for ecology services.
Habitat Management:	Intentional planning and maintenance of an area to create specific ecological conditions to promote native species and biodiversity.
Invasive and Non-native Species (INNS):	Species not originally from a specific area which cause harm to native species and / or human health. The CAP exclusively refers to invasive and non-native flora.

Social Value:

Rail Social Value Tool (RSVT):	Is the social impact assessment tool created specifically for the GB rail industry based on UK treasury green book principles. It assigns a relative £ value for the social impact of initiatives carried out during projects, operations or as part of business as usual activities.
Social Impact:	The effect of Scotland's Railway's activities on people and communities.
Social Value:	Is the positive changes experienced by people, communities, and society at large because of the actions of Scotland's Railway.

Appendix A: Scotland's Railway Sustainability Policy

Scotland's Railway Sustainability Policy

Scotland's Railway recognises its role in improving Scotland's natural and built environment, the sustainable use and enjoyment of it, the just transition to a low carbon economy and our contribution to global climate targets. Our national goals to achieve a decarbonised railway service and net-zero greenhouse gas emissions by 2045 will be at the forefront of all that we do while we strive for environmental excellence, to leave a sustainable legacy for future generations.

To achieve these goals Scotland's Railway will:

- As a minimum comply with all relevant environmental, energy and social legislation, compliance obligations and regulatory requirements.

- Identify our significant environmental risks and opportunities and manage these appropriately to prevent pollution and promote best practice.

- Adopt circular economy principles to manage materials, minimise waste production, increase, recycling rates and reduce waste sent to landfill.

- Make our network resilient to weather impacts and adapt to be climate ready for future changes in the climate.

- Manage our land to promote habitat creation, increasing biodiversity.

- Procure and use natural resources in a responsible and sustainable manner.

- Become more energy and water efficient, reduce our carbon emissions and work with our supply chain to reduce theirs.

- Minimise noise and improve local air quality to mitigate nuisance and deliver local environmental and social benefits.

- Provide employees with the relevant competence and training to deliver our policy throughout the business.

- Set targets against our objectives to promote improved sustainability performance, making information and necessary resources available to support them.

- Maintain delivery plans around the priority sustainability themes to deliver Scotland's Railway's sustainability strategy.

- Manage a social value framework and deliver a Community Strategy

- Invest in research in sustainable technologies through our Sustainability Innovation Fund.

- Implement and maintain environmental and energy management systems that follow the principles of ISO14001 and ISO 50001, maintaining certification where relevant.

Scotland's Railway's commitment to its sustainability agenda is bound by the following principles:

- Embed sustainability into the core of our industry and throughout our supply chain, through knowledge, engagement, collaboration, and innovation.

- Work collaboratively, holding robust, regular dialogue with key stakeholders.

- Ensure continual improvement through the delivery of our sustainability commitments across our organisations.

- Report transparently on sustainability strategies, goals and accomplishments and always be open to new learning.

Alex Hynes,
Managing Director, Scotland's Railway
March 2023

Appendix B: Delivery Plans

Climate ready delivery plan

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome One: **The decisions we make are based on a maturing understanding of climate-related risk.**					
Milestone One	**Revised approach to undertaking physical climate change risk assessments of our infrastructure is delivered**				
Action 1.1	Weather / Climate Data	Undertake a review of available current and future climate and natural hazard data to be used in climate risk assessments	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 1.2	Weather / Climate Data	Commission creation of bespoke climate and natural hazard datasets for Scotland, and for use in climate risk assessments, if required	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 1.3	Weather / Climate Data	Use sensor data to assess if operational activities can be appropriately planned i.e. use of climate information to allow maintenance teams to make informed decisions on whether winterisation works (salting and de-icing) are required	ScotRail	01/04/2024	01/04/2026
Action 1.4	Climate Risk Assessment	Commission a review on how we currently assess future climate risk on our infrastructure assets	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 1.5	Climate Risk Assessment	Develop an updated methodology for undertaking physical climate risk assessments on our infrastructure assets	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 1.6	Climate Risk Assessment	Undertake a comparable physical climate change risk assessment to that carried out by Network Rail on ScotRail assets, including rolling stock fleet	ScotRail	01/04/2024	01/04/2025
Action 1.7	Climate Risk Assessment	Re-run our revised physical climate change risk assessment methodology (and include any climate science and data improvements) in support of CP8 planning	Network Rail (Scotland)	01/04/2027	01/04/2028

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Climate ready delivery plan (continued from previous page)

Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
	Action Detail			**Delivery Timescale**	
Milestone Two	**The scope of our climate risk assessment activities is expanded to consider additional forms of climate risk (e.g., transition and operational climate risks)**				
Action 2.1	Climate Risk Assessment	Undertake a project to establish a non-physical climate risk register (e.g., transition, operational and people-related climate risks) for Scotland's Railway	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 2.2	Climate Risk Assessment	Undertake a project, in collaboration with external partners, to better understand our key climate-related risk interdependencies with other infrastructure operators	Network Rail (Scotland)	01/04/2024	01/04/2026
Outcome Two:	**A long-term climate adaptation and resilience strategy increasingly guides investment.**				
Milestone Three	**Long-term climate change adaptation plans are delivered for the most at risk route sections / locations**				
Action 3.1	Planning and Strategy	Adaptation Pathways – screening and prioritisation: Identify a short-list of route sections / locations to undergo adaptation pathways analysis and development	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 3.2	Planning and Strategy	Adaptation Pathways – hazard modelling and options assessments: Undertake detailed climate and natural hazard modelling of the route sections / locations selected for pathways analysis and an options appraisal of solutions to address identified climate-related risks	Network Rail (Scotland)	01/04/2025	01/04/2026
Action 3.3	Planning and Strategy	Adaptation Pathways – impact analysis: Undertake economic, social and environmental impact analysis of the range of adaptation options proposed to address the climate-related risks identified for route sections / locations selected for pathways analysis	Network Rail (Scotland)	01/04/2025	01/04/2026
Action 3.4	Planning and Strategy	Adaptation Pathways – strategic planning and engagement: Embed results of pathways analysis and development into Strategic Business Plan for Control Period 8, and socialise results of pathways across relevant internal and external stakeholders (e.g., internal asset teams, ORR, Transport Scotland)	Network Rail (Scotland)	01/04/2025	01/04/2026
Action 3.5	Planning and Strategy	Adaptation Pathways – comms and outreach: Publish results of pathways development and analysis as part of an adaptation strategy document for Scotland's Railway	Network Rail (Scotland)	01/04/2026	01/04/2027

Climate ready delivery plan (continued from previous page)

Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
	Action Detail			**Delivery Timescale**	
Milestone Four	**A long-term climate change adaptation strategy is delivered for Scotland's Railway**				
Action 4.1	Planning and Strategy	We will co-create with Scotland's Railway partners a coherent, single source long-term climate change adaptation and resilience strategy for Scotland's Railway	Network Rail (Scotland)	01/04/2026	01/04/2027
Outcome Three: Our assets are made increasingly resilient to acute weather events, as well as longer-term changes in climate.					
Milestone Five	**A programme of business as usual asset resilience activities is delivered as set out in asset workstreams of Climate Ready Plan**				
Action 5.1	Infrastructure asset resilience	Deliver the asset refurb, renewal and new build schemes outlined in our Climate Ready Plan (2024-29) for our Building assets	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 5.2	Infrastructure asset resilience	Deliver the asset refurb, renewal and new build schemes outlined in our Climate Ready Plan (2024-29) for our Earthworks assets	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 5.3	Infrastructure asset resilience	Deliver the asset refurb, renewal and new build schemes outlined in our Climate Ready Plan (2024-29) for our Electrification and Plant assets	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 5.4	Infrastructure asset resilience	Deliver the asset refurb, renewal and new build schemes outlined in our Climate Ready Plan (2024-29) for our drainage and lineside assets	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 5.5	Infrastructure asset resilience	Deliver the asset refurb, renewal and new build schemes outlined in our Climate Ready Plan (2024-29) for our Signalling assets	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 5.6	Infrastructure asset resilience	Deliver the asset refurb, renewal and new build schemes outlined in our Climate Ready Plan (2024-29) for our Structures assets	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 5.7	Infrastructure asset resilience	Deliver the asset refurb, renewal and new build schemes outlined in our Climate Ready Plan (2024-29) for our Track assets	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 5.8	Infrastructure asset resilience	Develop a list of nature-based solutions, illustrated by relevant industry case studies, that can be adopted in and around the railway to increase biodiversity and improve resilience	Network Rail (Scotland)	01/04/2024	31/03/2025
Action 5.9	Rolling stock asset resilience	Integrate climate resilience measures into the design and procurement of new trains	ScotRail	01/04/2024	01/04/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Climate ready delivery plan (continued from previous page)

Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
header: Action Detail				Delivery Timescale	

Outcome Four: Our 'climate ready journey' is underpinned by a maturing foundation of risk, assurance, competence, and data insights.

Milestone Six	**A programme of risk and assurance activities is delivered to improve confidence in weather and climate resilience decision making**				
Action 6.1	Risk and Assurance	Establish a weather and climate resilience group for Scotland's Railway to formalise roles and responsibilities in this space, oversee delivery of this plan, and to encourage collaboration on other related activities (e.g., the development of Seasonal Preparedness Plans)	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 6.2	Risk and Assurance	Ensure ScotRail's Business Continuity Plans address climate resilience requirements for ScotRail	ScotRail	01/04/2024	01/04/2027
Action 6.3	Risk and Assurance	Complete an annual review of Network Rail Scotland's capacity and ability to adapt to impacts of climate change e.g., by using Climate Sense CaDD assessment and/or Adaptation Scotland's Capability Framework	Network Rail (Scotland)	01/04/2027	01/04/2029
Action 6.4	Risk and Assurance	Complete an annual review of ScotRail's capacity and ability to adapt to impacts of climate change e.g., by using Climate Sense CaDD assessment and/or Adaptation Scotland's Capability Framework	ScotRail	01/04/2027	01/04/2029
Action 6.5	Risk and Assurance	Undertake a Risk and Control Self-Assessment specific to long-term climate risk and resilience – allowing us to feed through, and escalate where appropriate, the climate risks of greatest concern into corporate risk mgmt. processes	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 6.6	Risk and Assurance	Undertake a review of the weather and climate impact tool	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 6.7	Risk and Assurance	Commission research to develop a series of new weather and climate resilience indicators and metrics for Scotland's Railway, to enhance our ability to track/measure performance	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 6.8	Risk and Assurance	Develop climate scenarios to stress-test decisions we make as an organisation – for example, using the Network for Greening the Financial System's Climate Scenarios or the UK Socioeconomic Scenarios hosted by the UK Climate Resilience Programme	Network Rail (Scotland)	01/04/2024	01/04/2026

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Climate ready delivery plan (continued from previous page)

Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
header: Action Detail				Delivery Timescale	

Milestone Seven	**Routes to weather and climate resilience competence are established**				
Action 7.1	Competency	Establish the criteria to achieve weather and climate resilience competency aligning to the sustainability competency matrix	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 7.2	Competency	Identify routes to competency through the identification of available training resources	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 7.3	Competency	Undertake review of training options and the resources required to ensure there are routes to achieve all levels of weather and climate resilience competency	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 7.4	Competency	Secure endorsement from senior management to roll out	Network Rail (Scotland)	13/12/2024	31/03/2025
Action 7.5	Competency	Communicate the competency matrix and available routes to competency to Scotland's Railway	Network Rail (Scotland)	31/03/2025	12/12/2025

Milestone Eight	**An enhanced approach to how we review, and monitor, the impact of weather events on our railway is delivered**				
Action 8.1	Reporting	Undertake a review of how we analyse, and report on, disruption cased by adverse or extreme weather and suggest planned improvements	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 8.2	Reporting	Develop a standardised template for reporting on the impact of adverse and extreme weather on our railway	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 8.3	Weather / Climate Data	Develop a weather and climate resilience data dashboard to provide a single source of truth for key weather and climate-performance related data	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 8.4	Weather / Climate Data	Undertake a review of available historic weather data / observations to identify most suitable data for use in analysis of climate trends	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 8.5	Weather / Climate Data	Undertake a review of adverse and extreme weather thresholds for Scotland to assess their suitably and identify ops to make improvements / feed into national review	Network Rail (Scotland)	01/04/2024	01/04/2025

Net zero delivery plan

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome One: **Scotland's Railway remains on track to achieve net-zero emissions by 2045 at the end of CP7.**					
Milestone One	Traction Decarbonisation	Emissions of CO2e, other gases and particulates from traction diesel consumption are reduced, in line with investment as agreed with Transport Scotland	Network Rail (Scotland) / ScotRail	01/04/2024	31/03/2029
Action 1.1	ScotRail Decarbonisation	Prepare a long term rolling stock strategy setting out the transition to a decarbonised passenger railway and replacement of life expired trains	ScotRail	01/04/2024	01/04/2025
Action 1.2	Traction Decarbonisation	Scotland Integrated Pipeline is delivered, as agreed with Transport Scotland for delivery within CP7, to support the rolling stock strategy	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 1.3	ScotRail Decarbonisation	Create action plan for continued focus on Traction energy efficiency and performance improvement	ScotRail	01/04/2024	01/04/2025
Milestone Two	Emissions reporting	Science Based targets for ScotRail are produced and a detailed plan to achieve them is developed	ScotRail	01/04/2024	02/04/2026
Action 2.1	ScotRail Decarbonisation	Develop science-based carbon reduction targets and action plan to achieve reductions	ScotRail	01/04/2024	01/04/2025
Action 2.2	Carbon reporting	Improve data relating to our wider carbon footprint (Scope 3) and enable total emissions reporting	ScotRail	02/04/2024	02/04/2026
Milestone Three	Upstream & downstream emissions	Data accuracy of upstream and downstream emissions is improved, a process and methodology is established to annually report Network Rail Scotland's full carbon footprint as required in the High Level Output Specification	Network Rail (Scotland)	01/04/2024	30/06/2025
Action 3.1	Carbon reporting	Map data streams for each scope 3 category and understand potential for automation	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 3.2	Carbon reporting	Evaluate baseline methodology, revise and republish as appropriate	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 3.3	Carbon reporting	Establish automation of reporting for all possible data streams	Network Rail (Scotland)	01/06/2024	31/12/2024
Action 3.4	Carbon reporting	Report global (all scopes) emissions for 2024/25 and then annually thereafter	Network Rail (Scotland)	01/04/2025	30/06/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Net zero delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Four	Whole life carbon reduction & circular economy	Our suppliers are actively encouraged to reduce their own carbon emissions and report progress. Major suppliers should set their own Science Based Targets.	Network Rail (Scotland)	01/04/2024	01/04/2028
Action 4.1	Scope 3 carbon reduction	Identify which suppliers contribute the majority of emissions in the Scope 3 Purchased Goods and Services and Capital Goods categories	Network Rail (Scotland)	01/04/2024	30/06/2024
Action 4.2	Scope 3 carbon reduction	Engage with prioritised suppliers to understand their maturity, capability and willingness to set Science Based Targets or report their emissions to NR	Network Rail (Scotland)	01/07/2024	31/10/2024
Action 4.3	Scope 3 carbon reduction	Establish a workable process to capture and track supplier emissions	Network Rail (Scotland)	01/04/2024	31/03/2025
Milestone Five	Whole life carbon reduction & circular economy	A process and methodology for measuring circularity in capital and works delivery projects is established	Network Rail (Scotland)	01/04/2024	01/04/2028
Action 5.1	Whole life carbon reduction & circular economy	Engage with framework and enhancement suppliers / designers to identify existing processes and identify other sectors best practice	Network Rail (Scotland)	01/04/2024	01/12/2025
Action 5.2	Whole life carbon reduction & circular economy	Agree with technical leads and programme directors criteria that would enable reasonable processes, based on project profile and / or value	Network Rail (Scotland)	01/04/2024	01/12/2025
Action 5.3	Whole life carbon reduction & circular economy	Develop, cascade and consult the process	Network Rail (Scotland)	01804/24	01/04/2026
Action 5.4	Whole life carbon reduction & circular economy	Work with Rail Systems Alliance (RSA), RAM and Track Works Development Teams to understand baseline CP7 Workbank and opportunities	Network Rail (Scotland)	01/04/2024	01/04/2026

Net zero delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Six	Whole life carbon reduction & circular economy	A circularity baseline is established, interim improvement targets throughout CP7 are set	Network Rail (Scotland)	01/04/2024	01/04/2028
Action 6.1	Whole life carbon reduction & circular economy	Agree with technical leads and programme directors criteria that would enable reasonable processes, based on project profile and / or value in parallel with CD process	Network Rail (Scotland)	01/04/2024	10/12/2025
Action 6.2	Whole life carbon reduction & circular economy	Work with Zero Waste Scotland and external linear organisations to identify current opportunities (e.g. future Scotland regional steel re-use plans) out with Railway Sector	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 6.3	Whole life carbon reduction & circular economy	Understand impact and opportunities of Scotland specific CE legislation and cascade outcomes	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 6.4	Whole life carbon reduction & circular economy	Work with Route Services / TA to identify opportunities on how region and central logistics teams can enable circularity, via the CE Steering Group	Network Rail (Scotland)	01/04/2024	01/04/2028
Milestone Seven	Whole life carbon reduction & circular economy	System, methodology and guidance are established for recording reductions in whole life carbon in capital investment projects as a result of low carbon design decisions	Network Rail (Scotland)	01/04/2024	31/03/2025
Action 7.1	Whole life carbon reduction & circular economy	Develop clear guidance and instructions on requirements for whole life carbon assessments	Network Rail (Scotland)	01/04/2024	30/06/2024
Action 7.2	Whole life carbon reduction & circular economy	Identify roles and personal who require briefing and roll out (via the business briefing service if possible)	Network Rail (Scotland)	01/04/2024	31/07/2024
Action 7.3	Whole life carbon reduction & circular economy	Build and implement a suitable tool to capture project requirements and carbon reductions achieved through various PACE stages. Tool should include appropriate governance processes	Network Rail (Scotland)	01/04/2024	31/08/2024
Action 7.4	Whole life carbon reduction & circular economy	Raise awareness of tool availability, provide training where necessary. Embed as an ongoing process, track reductions and assure compliance	Network Rail (Scotland)	01/09/2024	31/03/2025

Net zero delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Eight	Whole life carbon reduction & circular economy	A whole-life carbon baseline in assets is established to measure reductions against	Network Rail (TA)	01/04/2024	31/03/2025
Action 8.1	Whole life carbon reduction & circular economy	Market engagement / remit / supplier selection for outsourced infrastructure carbon baseline	Network Rail (TA)	01/04/2024	31/08/2024
Action 8.2	Whole life carbon reduction & circular economy	Complete baseline setting activity to develop and publish the baseline	Network Rail (TA)	31/08/2024	31/03/2025
Milestone Nine	Wider economy decarbonisation	A methodology to baseline and monitor the net-zero position on a line of route basis is established	Network Rail (Scotland)	01/04/2024	31/12/2025
Action 9.1	Data Improvement	Map non-traction emissions to ELRs	Network Rail (Scotland)	01/04/2024	30/06/2024
Action 9.2	Data Improvement	Map traction diesel emissions to ScotRail service group	ScotRail	01/04/2024	30/06/2024
Action 9.3	Data Improvement	Map service groups to ELRs	Network Rail (Scotland)	01/07/2024	31/07/2024
Action 9.4	Data Improvement	Explore the use of mobile phone data and spend data to understand market share of rail for markets within a line of route	Network Rail (Scotland)	01/07/2024	30/06/2025
Action 9.5	Data Improvement	Collate non-traction, traction and modal share into one dataset and produce visual outputs	Network Rail (Scotland)	01/07/2025	31/12/2025

Net zero delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome Two: Scotland's Railway remains on track to achieve net-zero emissions by 2045 at the end of CP7.					
Milestone Ten	Energy reduction	An energy efficiency programme in the Network Rail Scotland non-traction estate is delivered to minimise emissions from our own operations	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.1	Energy reduction	Collaborate with Works Delivery, Electrification and Plant Maintenance and/or EEDF Contractors to deliver LED Swaps & Sensors projects Phases 1 - 5	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.2	Energy reduction	Review energy reduction resulting from LED Swaps & Sensors projects on a site-by-site basis to confirm expected energy reduction levels	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.3	Energy reduction	Collaborate with Works Delivery, Electrification and Plant Maintenance and/or EEDF Contractors to deliver Controls / Set Points / BMS Optimisation & Upgrades projects Phase 1 - 5	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.4	Energy reduction	Review energy reduction resulting from Controls / Set Points / BMS Optimisation & Upgrades projects on a site-by-site basis to confirm expected energy reduction levels	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.5	Energy reduction	Work with Buildings RAM team to calculate energy reductions resulting from RAM Workbank	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.6	Energy reduction	Delivery (target) 18 Lineside Building Wrap projects	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.7	Energy reduction	Review energy reduction resulting from Lineside Building Wrap projects on a site-by-site basis to calculate energy reduction levels	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 10.8	Energy reduction	Deliver several Energy Performance Contract (EPC) projects to reduce non-traction energy with minimal CAPEX costs	Network Rail (Scotland)	01/04/2024	31/03/2029

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Eleven	Energy reduction	A plan to phase out fossil fuel heating in our buildings is developed	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 11.1	Energy reduction	Identify sites that currently depend on fossil fuel-based heating	Network Rail (Scotland)	01/04/2024	01/08/2024
Action 11.2	Energy reduction	Review and understand Accommodation Strategy to identify opportunities and align energy reduction programme	Network Rail (Scotland)	01/08/2024	31/01/2025
Action 11.3	Energy reduction	Carry out high level option selection reports for phasing out fossil fuel heating at all identified sites	Network Rail (Scotland)	01/04/2025	01/04/2026
Action 11.4	Energy reduction	Plan sequence in which identified sites are transitioned, divide the workbank into separate phases to be delivered between now and 2038, with the aim of converting two to three sites a year	Network Rail (Scotland)	01/04/2024	01/08/2024
Action 11.5	Energy reduction	Deliver CP7 Business Plan heating transition projects at Aberdeen Station, Craigentinny Light Maintenance Depot, Stirling Station, Falkirk Grahamston Station, Girvan Station, and Perth Station	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 11.6	Energy reduction	Investigate potential alternative heating methods, specifically for depots that cannot be heated using air-source heat pumps	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 11.7	Energy reduction	Devise specific heating plan for third party leased depots	Network Rail (Scotland)	01/04/2025	01/08/2025
Action 11.8	Energy reduction	Devise specific heating plan for Edinburgh Waverley Station and Glasgow Central Station	Network Rail (Scotland)	01/04/2025	01/08/2025
Action 11.9	Energy reduction	Take a whole building approach to heating by investigating current renewable schemes (specifically the Rooftop Solar PV PPA project) to discover potential collaboration options	Network Rail (Scotland)	01/04/2025	31/08/2025
Action 11.10	Energy reduction	Design Proposals and Detailed Design for all sites to be transitioned in CP8	Network Rail (Scotland)	01/04/2028	31/03/2029
Action 11.11	Energy reduction	Plan sequence in which all remaining sites are to be transitioned between the start of CP9 and 2038	Network Rail (Scotland)	01/04/2028	31/03/2029

Net zero delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Twelve	Carbon reduction	Appropriate cars and light vehicles transitioned to zero emission vehicles in order to meet the road fleet decarbonisation targets set out by Scottish Government	Network Rail (Scotland)	01/04/2024	31/03/2027
Action 12.1	Carbon Reduction	Complete turnkey EV infrastructure pilots at Cowlairs Maintenance Delivery Unit (MDU) and Irvine MDU	Network Rail (Scotland)	01/04/2024	31/05/2024
Action 12.2	Carbon Reduction	Review current fleet requirements and efficiency options	Network Rail (Scotland)	01/04/2023	31/07/2023
Action 12.3	Carbon Reduction	Assess turnkey pilot results to establish process for Network Rail Scotland's fleet transition. Compare results turnkey pilot cost/timescales with completed BAU national programme projects	Network Rail (Scotland)	Two to three months after completion of pilot, dependant on number of vehicles.	
Action 12.4	Carbon Reduction	Establish how Scotland should progress fleet transition, using pilot method or national method (dependent on assessment action outcomes). Determine further actions required	Network Rail (Scotland)	Dependent on Action 12.3 completion date.	
Action 12.5	Carbon Reduction	Work with Route Services to assess the best location for temporary chargers during CP7. It is expected that we will have sixteen temporary chargers by the start of CP7	Network Rail (Scotland)	01/04/2024	01/07/2024
Action 12.6	Carbon Reduction	Scope the hydrogen market, engage with providers and select a suitable location to for a hydrogen pilot	Network Rail (Scotland)	01/04/2024	01/06/2025
Action 12.7	Carbon Reduction	Collaborate with EV fleet team to define the fleet re-tender plans/timescales	Network Rail (Scotland)	01/04/2024	31/07/2025
Action 12.8	Carbon Reduction	Deliver charging infrastructure transition Phase 1 - Phase 4	Network Rail (Scotland)	01/04/2024	31/03/2027

 Biodiversity delivery plan

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome One: Data providing a detailed bottom-up view of biodiversity across Scotland's Railway supports our decision-making.					
Milestone One	Systems and Data	A system for collecting, storing, analysing and reporting biodiversity data is created	Network Rail (Scotland)	01/04/2024	30/09/2028
Action 1.1	Systems and Data	Carry out gap analysis of existing biodiversity data collection systems, to identify what data is / is not currently available, data sources, and any opportunities for improvement	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 1.2	Systems and Data	Assess the feasibility of creating a Scotland's Railway-specific system for the upload, storage and visualisation of biodiversity data across the region	Network Rail (Scotland)	31/12/2024	28/02/2025
Action 1.3	Contracts and Procurement	Produce business case for funding required to develop Scotland's Railway biodiversity data storage system	Network Rail (Scotland)	28/02/2025	30/04/2025
Action 1.4	Systems and Data	Develop Scotland's Railway data storage system for the collection, storage and visualisation of biodiversity data	Network Rail (Scotland)	30/04/2025	31/12/2025
Action 1.5	Systems and Data	Undertake testing of the new system	Network Rail (Scotland)	31/12/2025	31/03/2026
Action 1.6	Systems and Data	Utilise feedback from system testing to make system improvements before regional roll out	Network Rail (Scotland)	31/03/2026	30/06/2026
Action 1.7	Systems and Data	Develop guidance on the new system – how data will be uploaded, viewed, exported and analysed for use during the planning of works	Network Rail (Scotland)	30/06/2026	30/09/2023
Action 1.8	Systems and Data	Roll out the new system	Network Rail (Scotland)	30/09/2023	30/11/2026

Biodiversity delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome Two: **The volume of Invasive Non-Native Species (INNS) plants in prioritised areas is actively being reduced.**					
Milestone Two	Invasive non-native species (INNS)	A risk-based system for the prioritisation of INNS plant sites is made available	Network Rail (Scotland)	01/04/2024	28/02/2026
Action 2.1	Tools and Guidance	Create risk assessment template to enable to prioritisation of INNS sites across each DU	Network Rail (Scotland)	01/04/2024	30/08/2024
Action 2.2	Stakeholder engagement	Carry out briefings on the risk assessment template	Network Rail (Scotland)	30/08/2024	31/12/2024
Action 2.3	Tools and Guidance	Produce INNS plant management guidance for the region, incorporating the risk assessment template	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 2.4	Systems and Data	Add layer INNS plant spraying dashboard to visualise high-risk sites	Network Rail (Scotland)	01/04/2024	30/08/2024
Action 2.5	Risk and Assurance	Incorporate assurance around the management of high-risk INNS plant sites into the CP7 sustainability assurance plan	Network Rail (Scotland)	01/04/2024	30/06/2024
Action 2.6	Capability	Identify methods for the management of INNS plants suitable for trialling in the region e.g. drone spraying technology, grazing, etc.	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 2.7	INNS	Identify suitable site(s) to conduct pilots to trial the selected INNS plant management methods	Network Rail (Scotland)	30/09/2024	31/03/2025
Action 2.8	INNS	Conduct trial INNS plant management methods pilots	Network Rail (Scotland)	31/03/2025	31/10/2025
Action 2.9	Capability	Review outputs from pilot and assess feasibility of the use of trialled methods across the region	Network Rail (Scotland)	31/10/2025	28/07/2026

Biodiversity delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome Three: **Biodiversity is improved through the creation of new, and the enhancement of existing habitat.**					
Milestone Three	Biodiversity Enhancement	500 hectares of habitat is created or enhanced on or off railway land	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 3.1	Stakeholder Engagement	Identify opportunities for habitat creation or enhancement within or outside of the railway boundary	Network Rail (Scotland)	01/04/2024	31/03/2028
Action 3.2	Tools and Guidance	Establish criteria for railway land within the boundary that would make it suitable for biodiversity enhancement	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 3.3	Stakeholder Engagement	Liaise with Property to investigate which (non-operational) sites within the railway boundary are available and suitable for biodiversity enhancement opportunities	Network Rail (Scotland)	01/04/2024	31/03/2025
Action 3.4	Tools and Guidance	Develop a case study based on the delivery of a biodiversity enhancement project on vacant land within the railway boundary	Network Rail (Scotland)	01/04/2024	31/03/2025
Action 3.5	Tools and Guidance	Develop a list of nature based solutions, illustrated by relevant industry case studies, that can be adopted in and around the railway to increase biodiversity	Network Rail (Scotland)	01/04/2024	31/03/2025
Action 3.6	Biodiversity Enhancement	Deliver habitat creation or enhancement opportunities	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 3.7	Communications	Communicate projects delivered internally and externally	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 3.8	Habitat creation	Deliver The Conservation Volunteers activity plan including development of school outreach activities and investment in projects promoting access via train network and mixed modes of transport	ScotRail	01/04/2024	01/04/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Biodiversity delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Four	Biodiversity Enhancement	Third parties are actively engaged to promote biodiversity, while creating social value, through activities like tree planting, INNS clearance and vegetation management schemes	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 4.1	Systems and Data	Establish method for recording and storing qualitative and quantitative data and information on activities undertaken in partnership with third parties	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 4.2	Stakeholder engagement	Establish new partnerships and explore existing partnerships with third party organisation to identify opportunities for the delivery of biodiversity enhancement activities	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 4.3	Stakeholder engagement	Communicate volunteering opportunities to NR/ScotRail	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 4.4	Biodiversity Enhancement	Deliver activities to promote biodiversity	Network Rail (Scotland)	01/04/2024	31/03/2029
Outcome Four: **We will create a culture that is competent in making biodiversity-related decisions.**					
Milestone Five	Stakeholder engagement	Routes to biodiversity competency are established	Network Rail (Scotland)	01/04/2024	31/03/2026
Action 5.1	Competency	Establish the criteria to achieve biodiversity competency aligning to the sustainability competency matrix	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 5.2	Competency	Identify routes to competency through the identification of available training resources	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 5.3	Competency	Undertake review of training options and the resources required to ensure there are routes to achieve all levels of biodiversity competency	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 5.4	Competency	Secure endorsement from senior management to roll out	Network Rail (Scotland)	13/12/2024	31/03/2025
Action 5.5	Competency	Communicate the competency matrix and available routes to competency to Scotland's Railway	Network Rail (Scotland)	31/03/2025	12/12/2025

Biodiversity delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Six	Stakeholder engagement	Our supply chain are actively engaged to promote biodiversity improvements through project work	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 6.1	Stakeholder engagement	Develop an external-facing platform to create a 'Biodiversity page' for use by the supply chain	Network Rail (Scotland)	01/04/2024	30/06/2024
Action 6.2	Systems and Data	Establish process for Network Rail project teams and the supply chain to record biodiversity enhancements delivered through projects	Network Rail (Scotland)	01/04/2024	30/06/2024
Action 6.3	Stakeholder engagement	Brief the supply chain and Network Rail project teams on how to record biodiversity enhancements delivered through projects	Network Rail (Scotland)	01/04/2024	30/06/2024
Action 6.4	Stakeholder engagement	Hold annual workshops with supply chain to share best practice, discuss enhancement opportunities, and share progress on existing biodiversity enhancement projects	Network Rail (Scotland)	01/04/2024	31/03/2029
Milestone Seven	Business as usual	The ecological capacity in the region is increased	Network Rail (Scotland)	01/04/2024	31/12/2025
Action 7.1	Contracts and Procurement	Roll out fast track ecology procurement system for trial in the region	Network Rail (Scotland)	01/04/2024	30/04/2024
Action 7.2	Contracts and Procurement	Review performance of the fast track system (evaluating utilisation, quality of work, spend)	Network Rail (Scotland)	01/04/2024	31/03/2025
Action 7.3	Contracts and Procurement	Determine efficiency of the fast track procurement system against the introduction of additional internal ecological resource	Network Rail (Scotland)	31/03/2025	31/07/2025
Action 7.4	Contracts and Procurement	Prepare business case for additional internal ecological resource	Network Rail (Scotland)	31/07/2025	31/12/2025
Action 7.5	Contracts and Procurement	Establish a functional ecology framework, for use across the Scotland region to increase Scotland Railways ecological capacity	Network Rail (Scotland)	31/07/2025	31/12/2025
Action 7.6	Contracts and Procurement	Implement Scotland's ecology framework	Network Rail (Scotland)	31/12/2025	31/03/2026

Biodiversity delivery plan (continued from previous page)

Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
		Action Detail		**Delivery Timescale**	
Outcome Five: The protection and enhancement of biodiversity is considered a "Business as Usual" activity.					
Milestone Eight	Business as usual	A programme for producing and implementing habitat management plans is established	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 8.1	Tools and Guidance	Establish methodology for creating habitat management plans	Network Rail (Scotland)	01/04/2024	31/05/2024
Action 8.2	Tools and Guidance	Develop programme for the creation of habitat management plan in line with the CP7 vegetation management programme	Network Rail (Scotland)	31/05/2024	31/07/2024
Action 8.3	Systems and Data	Establish process for the tracking progress of habitat management plan creation 'planned vs. actual' to create a reportable metric	Network Rail (Scotland)	01/04/2024	31/07/2024
Action 8.4	Communications	Publish the habitat management plan methodology and the associated programme for their creation	Network Rail (Scotland)	31/07/2024	31/08/2024
Action 8.5	Communications	Undertake workshops with the relevant delivery team to assist with the roll out of the habitat management production and use	Network Rail (Scotland)	31/08/2024	30/11/2024
Action 8.6	Systems and Data	Update sustainability microsite to allow for the upload of and access to completed habitat management plans and associated ecological data	Network Rail (Scotland)	30/11/2024	31/12/2024
Milestone Nine	Business as usual	The ecological capacity in the region is increased	Network Rail (Scotland)	01/04/2024	31/12/2025
Action 9.1	Risk and Assurance	Assess the suitability of the existing biodiversity assurance checklist(s) for assuring delivery teams against biodiversity requirements	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 5.2	Risk and Assurance	Embed biodiversity assurance activities in the CP7 sustainability assurance plan, ensuring all delivery teams are assured against biodiversity requirements	Network Rail (Scotland)	30/09/2024	31/12/2024
Action 9.3	Risk and Assurance	Undertake biodiversity assurance activities as per plan	Network Rail (Scotland)	31/12/2024	30/06/2025
Action 9.4	Risk and Assurance	Update CP7 sustainability assurance plan to capture follow up assurance activities required for any areas found to be non-compliance	Network Rail (Scotland)	30/06/2025	30/09/2025
Action 9.5	Risk and Assurance	Prepare and disseminate report on regional compliance with biodiversity requirements, indicating any areas of non-compliance and the actions required to address this and achieve compliance	Network Rail (Scotland)	30/06/2025	30/09/2025
Action 9.6	Risk and Assurance	Support the relevant business areas and teams in addressing any actions to achieve compliance with relevant biodiversity requirements	Network Rail (Scotland)	30/09/2025	30/09/2026
Action 9.7	Risk and Assurance	Undertake additional biodiversity assurance activities as per CP7 assurance plan to track continual improvement	Network Rail (Scotland)	30/09/2025	31/03/2029

Environmental management delivery plan

Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
		Action Detail		**Delivery Timescale**	
Outcome one: The impacts of poor air quality are actively reduced					
Milestone One	Air Quality	Establish and implement an operational control for environmental air quality	Network Rail (Scotland)	01/04/2024	01/12/2025
Action 1.1	Tools and Guidance	Create and publish a RACI aligned to NR/L2/ENV/124	Network Rail (Scotland)	01/04/2024	01/10/2025
Action 1.2	Risk	Undertake diesel engine exhaust emissions risk assessments within stations and depots as per the requirements of NR/L2/ENV/124	Network Rail (Scotland)	01/10/2024	01/12/2025
Action 1.3	Systems and Data	Feed into the national air quality monitoring programme and ensure the air quality data for managed stations is being reported	Network Rail (Scotland)	01/04/2024	01/12/2025
Action 1.4	Systems and Data	Review and update the Air Quality Management Plans for both managed stations	Network Rail (Scotland)	01/04/2024	01/12/2025
Action 1.5	Stakeholder Engagement	Establish collaborative forum for key stakeholders in the management of air quality e.g. Health and Safety, Stations and ScotRail teams.	Network Rail (Scotland)	01/04/2024	01/12/2025
Action 1.6	Data Analysis	Assess RSSB monitoring data for key stations and assess the need for actions to be taken as per established Air Quality Improvement Plans	ScotRail	01/04/2024	01/04/2025
Action 1.7	Data Analysis	Continue to complete depot and on train air quality assessments as needed	ScotRail	01/04/2024	01/04/2025
Milestone Two	Air Quality	Best practice guidance on air quality at worksites is reviewed and awareness on the front line enhanced	Network Rail (Scotland)	01/04/2024	30/06/2025
Action 2.1	Tools and Guidance	Undertake a review of the currently available Network Rail guidance on environmental air quality	Network Rail (Scotland)	01/04/2024	31/10/2024
Action 2.2	Tools and Guidance	Create Network Rail Scotland guidance on the management of environmental air quality based on industry best practice, standards and guidance	Network Rail (Scotland)	31/10/2024	30/03/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Environmental management delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Action 2.3	Tools and Guidance	Develop a checklist for frontline teams to effectively manage and mitigate environmental air quality impacts	Network Rail (Scotland)	31/10/2024	30/03/2025
Action 2.4	Tools and Guidance	Publish updated guidance and checklist on the Sustainability Microsite	Network Rail (Scotland)	30/03/2025	30/06/2025
Action 2.5	Communication	Communicate updated guidance and associated checklist.	Network Rail (Scotland)	30/03/2025	30/06/2025
Outcome Two: The water environment is protected.					
Milestone Three	Consents & Discharges	A register of permissions to discharge is established	Network Rail (Scotland)	01/04/2024	31/03/2026
Action 3.1	Systems and Data	Create and publish a register of existing discharge consents by engaging with teams e.g. RAMs, Capital Delivery, Works Delivery, to establish: 1. what consents are currently in situ, 2. how they are being managed and; 3. how they are funded.	Network Rail (Scotland)	01/04/2024	30/03/2025
Action 3.2	Tools and Guidance	Establish a reporting process for those applying for consents to notify Sustainability Team.	Network Rail (Scotland)	01/04/2024	30/09/2025
Action 3.3	Tools and Guidance	Review and update guidance on the need for and application process for discharge consents and the need to disclose consents that are in place.	Network Rail (Scotland)	01/04/2024	30/09/2025
Action 3.4	Communication	Brief teams on the process for disclosing discharge consents to the Sustainability Team.	Network Rail (Scotland)	01/04/2024	31/03/2026
Outcome Three: Nuisance arising from noise is minimised.					
Milestone Four	Noise and Nuisance	We are actively manging noise and nusiance as a 'Business as Usual' activity	Scotland's Railway	01/04/2024	30/06/2025
Action 4.1	Tools and Guidance	Establish a tool for frontline teams in Works Delivery and Maintenance to manage noise and nuisance aligned to Best Practical Means requirements and NR/L2/ENV/120.	Network Rail (Scotland)	01/04/2024	31/01/2025
Action 4.2	Tools and Guidance	Brief teams on the process for managing noise and nuisance and the use of the tool.	Network Rail (Scotland)	31/01/2025	30/06/2025
Action 4.3	Data	Establish a dashboard for the visualisation of complaints data to identify hotspots associated with noise and other nuisance complaints.	Network Rail (Scotland)	01/04/2024	30/09/2024

Environmental management delivery plan (continued from previous page)

	Action Detail			Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Action 4.4	Tools and Guidance	Engage with the Community Relations, Communications Team and other relevant stakeholders to share data on complaint hotspots and review and update the guidance available for handling complaints associated with noise and nuisance.	Network Rail (Scotland)	30/09/2024	31/01/2025
Action 4.5	Tools and Guidance	Review the guidance available for obtaining Section 61 consent and update if necessary.	Network Rail (Scotland)	01/04/2024	12/12/2024
Outcome Four: Our waste reduction targets are achieved.					
Milestone Five	Waste management	A waste reduction strategy for NR depots and work sites is established	Network Rail (Scotland)	01/04/2024	30/03/2029
Action 5.1	Systems and Data	Review CP6 waste data to establish a baseline and identify trends (i.e. improvement opportunities and areas with consistently good performance)	Network Rail (Scotland)	01/04/2024	12/12/2024
Action 5.2	Stakeholder Engagement	Engage with teams / areas of the business to review waste volumes, performance and identify opportunities for improvement.	Network Rail (Scotland)	12/12/2024	12/12/2025
Action 5.3	Stakeholder Engagement	Engage with external stakeholders including our waste suppliers, to identify opportunities for performance improvement, and progress towards our targets.	Network Rail (Scotland)	12/12/2024	19/12/2025
Action 5.4	Strategy	Prepare waste reduction stategy for Network Rail Scotland depots and work sites in collaboration with the relevant teams	Network Rail (Scotland)	19/12/2025	30/09/2026
Action 5.5	Communication	Publish the waste reduction startegy for Network Rail Scotland depots and work sites	Network Rail (Scotland)	30/09/2026	31/03/2027
Action 5.6	Systems and Data	Monitor waste performance following implementation of the waste reduction strategy	Network Rail (Scotland)	31/03/2027	30/03/2029
Action 5.7	Waste management	Achieve a total recycling rate of 44%	ScotRail	01/04/2024	01/04/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome Five: The protection of the environment is considered a "Business as Usual" activity					
Milestone Six	Assurance	Delivery teams are being assurance against environmental requirements	Scotland's Railway	01/04/2024	30/03/2029
Action 6.1	Risk and Assurance	Deliver CP7 year 1 annual assurance programme	Network Rail (Scotland)	01/04/2024	30/03/2029
Action 6.2	Risk and Assurance	Review outputs from assurance activities to create a risk-based assurance programme for subsequent years	Network Rail (Scotland)	01/04/2024	30/03/2029
Action 6.3	Risk and Assurance	Establish what Level 1 assurance activities are being undertaken across the business.	Network Rail (Scotland)	01/02/2025	30/03/2029
Action 6.4	Assurance	Maintain and achieve external validation to ISO 14001 & 50001	ScotRail	01/04/2024	01/04/2028
Milestone Seven	Competency	Routes to environmental competence are established	Network Rail (Scotland)	01/04/2024	30/03/2029
Action 7.1	Competency	Establish the criteria to achieve wider environmental management awareness and competency aligning to the sustainability competency matrix	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 7.2	Competency	Identify routes to competency through the identification of available training resources	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 7.3	Competency	Undertake review of training options and the recources required to ensure there are routes to achieve all levels of biodiversity competency	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 7.4	Competency	Secure endorsement from senior management and steering group to roll out	Network Rail (Scotland)	13/12/2024	30/03/2029
Action 7.5	Competency	Communicate the competency matrix and available routes to competency to Scotland's Railway	Network Rail (Scotland)	31/03/2025	12/12/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Environmental management delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Eight	Environmental Champions	Environmental protection at our depots is enhanced through a network of Environmental Champions	Network Rail (Scotland)	01/04/2024	30/09/2025
Action 8.1	Stakeholder Engagement	Review the current list of Environmental Champions and update, ensuring all depots have an appointed Environmental Champion	Network Rail (Scotland)	01/04/2024	31/10/2024
Action 8.2	Training	Update the training resources for Environmental Champions	Network Rail (Scotland)	01/04/2024	28/02/2025
Action 8.3	Training	Deliver training for all new and existing Environmental Champions	Network Rail (Scotland)	01/04/2024	30/09/2025
Action 8.4	Systems and Data	Ensure the microsite is uploaded with training resources and guidance materials for Environmental Champions	Network Rail (Scotland)	01/04/2024	30/09/2025
Outcome Six: The risk of environmental incidents occurring is reduced					
Milestone Nine	Environmental Incidents	Our reporting of environmental incidents (including close calls) and complaints to prevent recurring incidents, is improved	Network Rail (Scotland)	01/04/2024	30/03/2029
Action 9.1	Systems and Data	Establish dashboard to record data on environmental incidents and close calls	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 9.2	Tools and Guidance	Review and update existing guidance materials on environmental incidents and close calls and publish on the Sustainability Microsite	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 9.3	Shared Learning	Review environmental incident investigations and prepare 'lessons learned' from these events.	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 9.4	Communication	Brief frontline teams on the process for reporting environmental incidents and close calls	Network Rail (Scotland)	01/04/2025	30/06/2025
Action 9.5	Stakeholder Engagement	Work with Route Control to update local guidance for the reporting of environmental incidents to ensure there is a minimum requirement for information that is reported in relation to environmental incidents.	Network Rail (Scotland)	01/04/2025	31/03/2026
Action 9.6	Environmental Incidents	Do not exceed a total of 10 significant environmental incidents	ScotRail	01/04/2024	01/04/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Social value delivery plan

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome One: Our people, supply chain, charity partners and local communities are inspired to deliver positive societal impact.					
Milestone One	Charity	A strategy for engagement with charity partners is established	Network Rail (Scotland)	01/04/2024	31/12/2026
Action 1.1	Charity	Create plan for joint Scotland's Railway charity partner and lead on delivering actions owned by Network Rail Scotland	Network Rail (Scotland)	01/04/2024	01/11/2024
Action 1.2	Charity	Establish a quarterly charities workshop with managed station colleagues to oversee improved engagement with charity partners	Network Rail (Scotland)	01/04/2024	31/12/2025
Action 1.3	Charity	Establish a protocol for reporting donations across Scotland's Railway and to enable integration with Rail Social Value Tool	Network Rail (Scotland)	01/04/2024	31/03/2027
Action 1.4	Charity	Undertake consultation with relevant internal stakeholders on the creation of a charities steering group	Network Rail (Scotland)	01/04/2024	31/03/2027
Action 1.5	Charity	Collate and report NR Scotland's activities relating to the national CP7 charitable theme during years 1 and 2. Consider best practice, lessons learned and future engagement opportunities. Share report and engage with other GB wide charitable leads on best practice	Network Rail (Scotland)	01/04/2024	01/06/2026
Action 1.6	Charity	Undertake a review, consulting all relevant stakeholders, on charitable engagement during the first half of CP7 to inform planning and maximise opportunities in the second half of the control period	Network Rail (Scotland)	01/04/2026	31/12/2026
Action 1.7	Charity	Maximising the contribution ScotRail and our staff can make to Scotland's charitable and voluntary communities	ScotRail	01/04/2024	01/04/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Two	Volunteering	The number of colleagues using their volunteer leave is increased	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 2.1	Volunteering	Organise and promote via comms at least 4 company-wide volunteer days each year	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 2.2	Volunteering	Create a series of case studies volunteering activities and share via comms channels to encourage others to use their volunteer leave. Review and create case studies each year of CP7	Network Rail (Scotland)	01/042024	31/03/2029
Action 2.3	Volunteering	Develop 5 new altruistic partnerships throughout CP7, with a diverse range of groups for colleague volunteering	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 2.4	Volunteering	Liaise with community safety and D&I leads to establish regular volunteering opportunities linked to these key themes	Network Rail (Scotland)	01/04/2024	31/03/2026
Action 2.5	Volunteering	Based on CP6 Y5 data identify the bottom 25% of teams for volunteer leave uptake and engage them in Y1. Establish process to do this in each year of CP7	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 2.6	Volunteering	Create an automated quarterly league table of volunteer leave uptake by team and communicate on internal communication channels	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 2.7	Volunteering	Report volunteer leave hours recorded on RSVT for every period in CP7	Network Rail (Scotland)	01/04/2024	31/03/2029
Milestone Three	Property	Opportunities to create social value through community and charitable use of buildings and other assets are being actively explored	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 3.1	Property	Develop an opportunities register of all assets with potential for community or charitable use	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 3.2	Property	Review the Commercial Property charitable use policy and agree process for charitable use	Network Rail (Scotland)	01/04/2024	01/08/2024
Action 3.3	Property	Work with the Commercial Property Team to identify viable assets for charitable and third sector use. Advertise any viable opportunities externally	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 3.4	Property	Undertake a mapping exercise of assets used by communities and charities to inform reporting on RSVT	Network Rail (Scotland)	01/04/2027	01/04/2028

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Social value delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Four	Communities & Community Rail	We are engaging better with communities and community rail partnerships	Network Rail (Scotland)	01/04/2024	31/12/2025
Action 4.1	Communities & Community Rail	To support the operation and development of Scotland's Community Rail Partnership network	ScotRail	01/04/2024	01/04/2025
Action 4.2	Communities & Community Rail	To maximise the contribution community partners can make to enhancing the operation of our services to ensure we provide an efficient and sustainable railway, that meets the needs of all potential passengers	ScotRail	01/04/2024	01/04/2025
Action 4.3	Communities & Community Rail	To maximise the contribution local communities and volunteers can make to the presentation of their local station, that reflect their community's unique needs and aspirations	ScotRail	01/04/2024	01/04/2025
Action 4.4	Communities & Community Rail	Protect, restore and promote Scotland's historic railway culture and built environment for the benefit of Scotland's communities	ScotRail	01/04/2024	01/04/2025
Action 4.5	Communities & Community Rail	Identify leads for each Scottish Community Rail Partnership and engage with each on their priorities. In collaboration with ScotRail leads, identify any opportunities for engagement with NR	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 4.6	Communities & Community Rail	Create an NR Community Rail Partnership engagement strategy, record identified future opportunities for engagement	Network Rail (Scotland)	01/04/2024	31/12/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Social value delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Five	Competency	Routes to social value competence are established	Network Rail (Scotland)	01/04/2024	31/03/2026
Action 5.1	Competency	Establish the criteria to achieve social value competency aligning to the sustainability competency matrix	Network Rail (Scotland)	01/04/2024	30/09/2024
Action 5.2	Competency	Identify routes to competency through the identification of available training resources	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 5.3	Competency	Undertake review of training options and the resources required to ensure there are routes to achieve all levels of social value competency	Network Rail (Scotland)	01/10/2024	13/12/2024
Action 5.4	Competency	Secure endorsement from senior management to roll out	Network Rail (Scotland)	13/12/2024	31/03/2025
Action 5.5	Competency	Communicate the competency matrix and available routes to competency to Scotland's Railway	Network Rail (Scotland)	31/03/2025	12/12/2025
Milestone Six	Competency	Routes to social value competence are established	Network Rail (Scotland)	01/04/2024	31/03/2026
Action 6.1	Embedding for the Future	Compile a case study archive of successfully assessed projects on RSVT	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 6.2	Embedding for the Future	Develop qualitative case studies on regional volunteering, early engagement, health and wellbeing activities and positive community engagement for years 1 and 2 of the control period	Network Rail (Scotland)	01/04/2024	01/08/2026
Action 6.3	Embedding for the Future	Develop qualitative case studies on regional volunteering, early engagement, health and wellbeing activities and positive community engagement for years 3 and 4 of the control period	Network Rail (Scotland)	01/04/2026	01/08/2028

Social value delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome Two: **The social value potential of Scotland's Railway is being realised and tracked.**					
Milestone Seven	Rail Social Value Tool	The use of Scotland's Railway's Rail Social Value Tool is matured	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 7.1	Rail Social Value Tool	Review winter 23/24 RSVT metric update to understand new data reporting requirements for metrics. Complete a needs analysis on new reporting requirements to cascade with relevant stakeholders	Network Rail (Scotland)	01/04/2024	01/08/2024
Action 7.2	Rail Social Value Tool	Establish clear protocols to set up supply chain reporting across projects, programmes and frameworks and cascade to suppliers	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 7.3	Rail Social Value Tool	Engage with Levenmouth project team tool users to understand best practice and lessons learned from trial use of the tool and finalise case study	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 7.4	Rail Social Value Tool	Develop 5 case-studies of projects reporting on RSVT throughout the control period	Network Rail (Scotland)	01/04/2025	31/03/2029
Action 7.5	Rail Social Value Tool	Carry out assessment of which parts of the business require training on RSVT and deliver through the competency framework	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 7.6	Rail Social Value Tool	Develop concise user guidance for RSVT informed by the winter 23/24 update of the tool	Network Rail (Scotland)	01/04/2024	01/10/2024
Action 7.7	Rail Social Value Tool	Deliver engagement workshops to parts of the business not using RSVT to understand social impact of any activities or projects. Use these sessions to instigate reporting where appropriate	Network Rail (Scotland)	01/04/2025	01/01/2026
Action 7.8	Rail Social Value Tool	Set up a register of RSVT Scotland users and aim to have at least 25 users registered by the end of year 2	Network Rail (Scotland)	01/04/2024	31/03/2026
Action 7.9	Rail Social Value Tool	Set up an audit mechanism on IRIS to verify data entered into RSVT by supply chain	Network Rail (Scotland)	01/04/2024	01/04/2025

Social value delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Eight	Realising Social Value	The scope and depth of regional activities recorded on the Rail Social Value Tool is enhanced	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 8.1	Realising Social Value	Increase social impact reporting of everyday activities by establishing regular reporting protocols with community safety, healthy and wellbeing, D&I and early engagement leads across the region	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 8.2	Realising Social Value	Embed reporting on RSVT across new Capital Delivery and Works Delivery CP7 frameworks	Network Rail (Scotland)	01/04/2024	31/03/2029
Action 8.3	Realising Social Value	Engage with comms and other relevant stakeholders every 6 months in the first half of CP7 on potential ad hoc activities that could be assessed for social impact	Network Rail (Scotland)	01/04/2024	31/12/2026
Action 8.4	Realising Social Value	Investigate the viability of reporting aspects of ScotRail social value on the RSVT	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 8.5	Realising Social Value	Biodiversity activities – Promote passenger rail use and employee access to the natural environment for health and well-being benefits	ScotRail	01/04/2024	01/04/2025
Action 8.6	Realising Social Value	Work with the wider sustainability team to any identify environmental reporting opportunities based on the RSVT winter 23/24 metric update	Network Rail (Scotland)	01/04/2024	01/11/2024
Milestone Nine	Realising Social Value	The scope and depth of regional activities recorded on the Rail Social Value Tool is enhanced	ScotRail	01/04/2024	31/03/2029
Action 9.1	Inclusion and Accessibility	Increase the accessibility, opportunities and value from rail travel by removing barriers for the most excluded and isolated people within our communities	ScotRail	01/04/2024	01/04/2025
Action 9.2	Inclusion and Accessibility	On Train enhancements and improvements	ScotRail	01/04/2024	01/04/2025
Action 9.3	Inclusion and Accessibility	Improving active travel infrastructure at existing and new stations and secure stakeholder support for SRT's strategies, policies and plans	ScotRail	01/04/2024	01/04/2025
Action 9.4	Inclusion and Accessibility	Mobilise the Accessible Travel Programme to develop a pipeline of initiatives for delivery in future years	ScotRail	01/04/2024	01/04/2025
Action 9.5	Inclusion and Accessibility	Review and refine the Stakeholder Equality Group	ScotRail	01/04/2024	01/04/2025
Action 9.6	Inclusion and Accessibility	Improving access and connectivity to the ScotRail network for all passenger groups	ScotRail	01/04/2024	01/04/2025
Action 9.7	Inclusion and Accessibility	Expand engagement and maximise value railway can bring to young people. Through delivery of a Scotland-wide Schools & Young Persons Strategy	ScotRail	01/04/2024	01/04/2025

Actions highlighted blue are ScotRail deliverables aligned to committed obligations.

Social value delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Outcome Three: We are procuring sustainably and delivering social value through our supply chain.					
Milestone Ten	Sustainable Procurement	A sustainable procurement charter is produced	Network Rail (Scotland)	01/04/2024	01/04/2027
Action 10.1	Sustainable Procurement	Review the success of CP7 procurement exercises for embedding sustainability and consider best practice and improvement opportunities to inform new sustainable procurement charter	Network Rail (Scotland)	01/04/2024	31/12/2025
Action 10.2	Sustainable Procurement	Map out current sustainable procurement provisions within the business and assess how they align with ISO 20400	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 10.3	Sustainable Procurement	Undertake consultation with procurement and commercial teams on the content of a sustainable procurement charter	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 10.4	Sustainable Procurement	Cascade draft charter and gather feedback from relevant stakeholders	Network Rail (Scotland)	01/04/2024	31/12/2025
Action 10.5	Sustainable Procurement	Embed charter into future procurement activities	Network Rail (Scotland)	01/04/2024	01/04/2027
Milestone Eleven	Sustainable Procurement	Menu based social value and sustainability procurement instruments are produced	Network Rail (Scotland)	01/04/2024	01/04/2029
Action 11.1	Sustainable Procurement	Develop an understanding of what can be achieved in a menu based procurement exercise, consult other Scottish public sector orgs and understand requirements	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 11.2	Sustainable Procurement	Trial menu based social value questions in a procurement exercise	Network Rail (Scotland)	01/04/2024	01/04/2029

Social value delivery plan (continued from previous page)

Action Detail				Delivery Timescale	
Code	Action Category	Action Description	Organisation Lead	Start Date	Delivery Date
Milestone Twelve	Social Value Delivery	The delivery and reporting of social value on contracted works is enhanced	Network Rail (Scotland)	01/04/2024	01/04/2028
Action 12.1	Social Value Delivery	Update social value supplier's KPI to embed use of the RSVT and key elements of the NR Social Value Framework	Network Rail (Scotland)	01/04/2024	31/12/2024
Action 12.2	Social Value Delivery	Undertake consultation with programme and project managers to understand support needed to improve social value reporting from project work	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 12.3	Social Value Delivery	Create and cascade guidance on delivering and reporting social value across programmes, frameworks and projects	Network Rail (Scotland)	01/04/2024	01/04/2025
Action 12.4	Social Value Delivery	Identify and build relationships with top tier CP7 suppliers with a view to establishing a CP7 social value supply chain forum	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 12.5	Social Value Delivery	Complete terms of reference and remit of a CP7 social value supply chain forum	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 12.6	Social Value Delivery	Compile a register of supplier social value commitments from newly awarded CP7 contracts	Network Rail (Scotland)	01/04/2024	01/04/2026
Action 12.7	Social Value Delivery	Investigate the viability and understand the mechanics of reporting Scotland SME spend from our contract awards and within our supply chain. Report what is viable through RSVT	Network Rail (Scotland)	01/04/2024	01/04/2028

Appendix C: Reporting Metrics

Regulatory Metrics

- Resilience and Adaptation (key WRCCA activities)
- Carbon emission reduction – Scope 1 and 2
- Scope 3 Carbon emissions
- Whole Life Carbon emissions

- Route to Net Zero
- Air quality at Stations
- Biodiversity units – % increase

Climate Action Plan (key indicators)

- Milestones completed
- Milestones on-track

- Milestones late (re-forecasted)

Climate Action Plan (secondary indicators)

- Schedule 8 delay minutes attributed to weather
- Schedule 8 delay minutes attributed to weather
- Passenger performance measure and delays attributed to weather
- Delivery of asset intervention delivering weather or climate resilience
- Scope 1, 2 and 3 Carbon emissions
- Volume of waste reuse, recycled and recovered
- Environmental incidents raised
- Environmental close calls raised

- Volume of water discharged
- Number of findings raised from assurance activities
- Total area of habitat created and restored
- Habitat Management Plan implementation progress
- Volume reduction of INNS at high-risk sites
- Number of activities and initiatives assessed using the Rail Social Value Tool
- % workforce using volunteer leave

ScotRail Annual Reporting

- Transport Scotland Public Bodies Climate Change Report

- Companies House Directors Statutory Reporting – Energy and Carbon

ScotRail Grant Agreement Reporting Metrics

- CO2e per vehicle km (Kg)
- Non-traction energy (MWh)

- % total waste recycled

ScotRail Periodic Reporting Metrics

Traction Energy
- kgCO2e/Vkm
- DMU kWh / km
- HST kWh / km
- EMU kWh / km

Utilities
- Total Tonnes CO2e
- Total Energy Use (MWh)
- Electricity Use (MWh)
- Gas Use (MWh)
- Heating Oil (MWh)
- Water Use (m3)

Waste
- Direct Recycling Rates
- Total Recycling Rates
- Divert waste from landfill

Environmental Incidents
- No more than X incidents