



KEES
SUSTAINABILITY
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Environmental Cheat Sheet - Rail

KEES - 2025



Overview

At KEES we do things quite differently, we see compliance requirements as an opportunity to drive efficiency.

Which is why we have created this “Environmental Cheat Sheet” to provide companies a practical approach to driving sustainability as well as helping to comply with Network Rail (NWR) Requirements!

As an ISEP (formerly IEMA) full member, Chartered Environmentalist as well as a Qualified Engineer led organisation, with over 13 years experience in the Railway, we fully appreciate your operational and client requirements

This “cheat sheet” will provide an overview of:

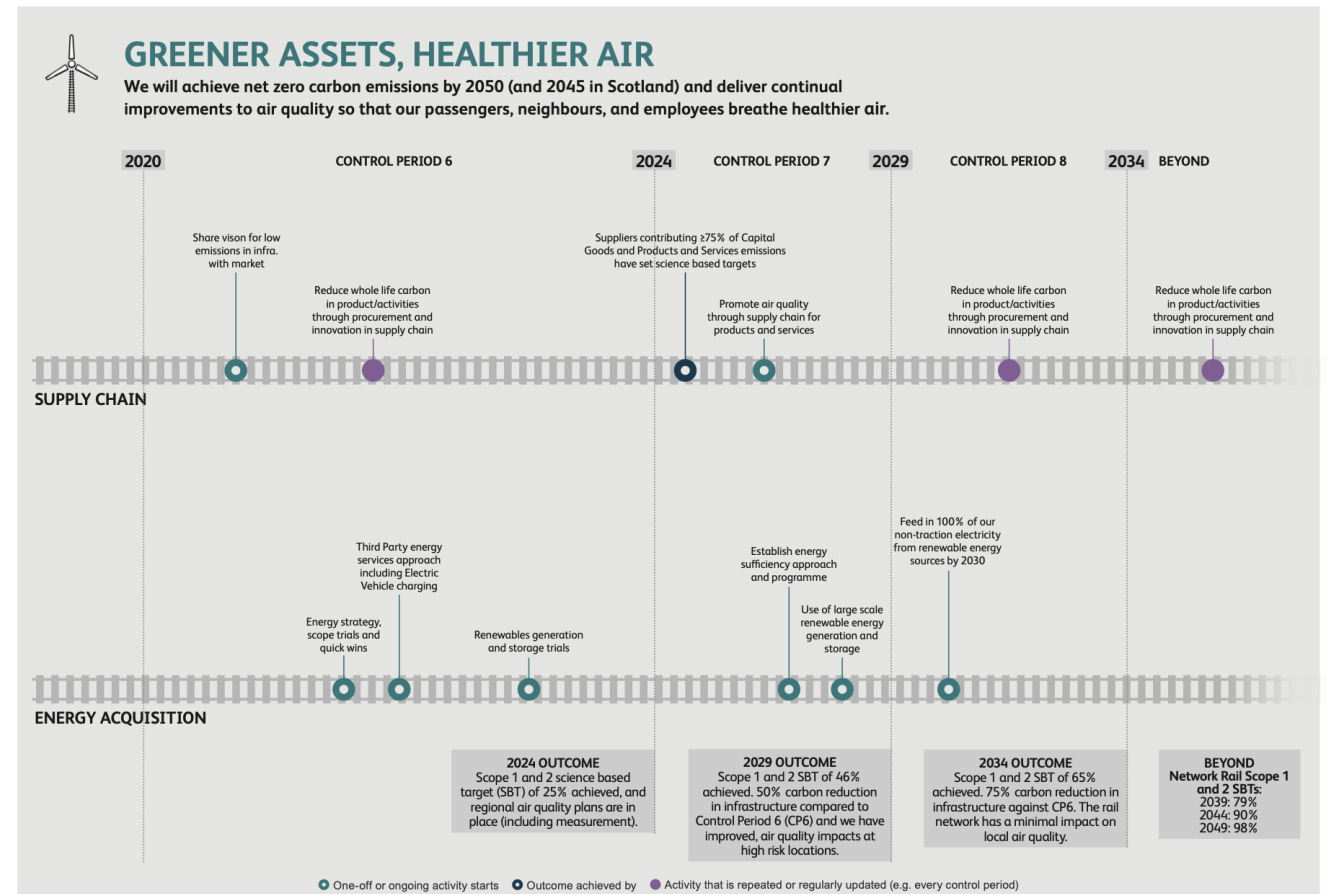
- **NWR’s Environmental Strategy** – how can you be part and support this strategy?
- **Environmental Management** – what is the requirement of your processes?
- **Noise, Dust & Vibration** – are you responsible for S61s?
- **Carbon Management** – are you aware of PAS2080? Where do you sit within the supply chain?
- **Monthly Environmental Reports** – are you using a consolidated report?
- **Tenders** – are they compliant? Are you supporting the vision?

What's the vision?

NWR have a great and long term vision and its laid out in their Environmental Sustainability Strategy ([here](#))

On here you will find a breakdown of the commitments for NWR and its supply chain!

Example of one of the targets for the supply chain:
Suppliers contributing >75% of capital goods, products and services have to set Science Based Targets by 2025



Environmental Management System & ISO14001

Behind the complexities of an International Management System (ISO) format, lies a framework to support effective management of operations to minimise risk to the environment.

An Environmental & Social Management Plan Template is available ([here](#)) and provides the minimum requirements, but has this been edited and formatted to make it work for you?

Do you have a system and templates which can be used to deploy a project in a streamlined and practical way, so that your time can be spent managing operations effectively and not making documents?



Environmental Plan Briefing Sheet

Insert Project Name

Key Environmental Target

Projects Environmental Target	Zero diesel, zero spills, zero waste to landfill etc
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Key Environmental Risks

Land Pollution	Spills
Water Pollution	River XYZ
Air Pollution	Idling Plant
Nuisance	Neighbours of XYZ street

Locations in Scope

Example below



Permits Required

Insert approved Section 61 consent or other

Monitoring Alert Procedure

Complete Exceedance log sheet daily / weekly: DOCUMENT REF Monitoring Exceedance Records NDV (Noise, Dust & Vibration) Template
Indicative alert procedure presented in the NDVMP??? Do you have this

Noise, Dust & Vibration

Are you responsible for:

- Managing the Noise, Dust and Vibration output of your processes?
- Monitoring your processes and managing potential alerts?
- Managing the S61 Consent with the Local Authority?
- Understanding the liabilities, processes and possible receptors – as well as taking a practical but forthcoming approach - can ensure compliance and minimum disturbance to programmes.



Borough Council

Local Authority:	Insert Local Authority
Environmental Health Officer:	Name: Email: Contact Number:

Working Hours

Insert agreed working hours

Key Contacts

Neighbours	
Internal Teams	
EA	
Clients	

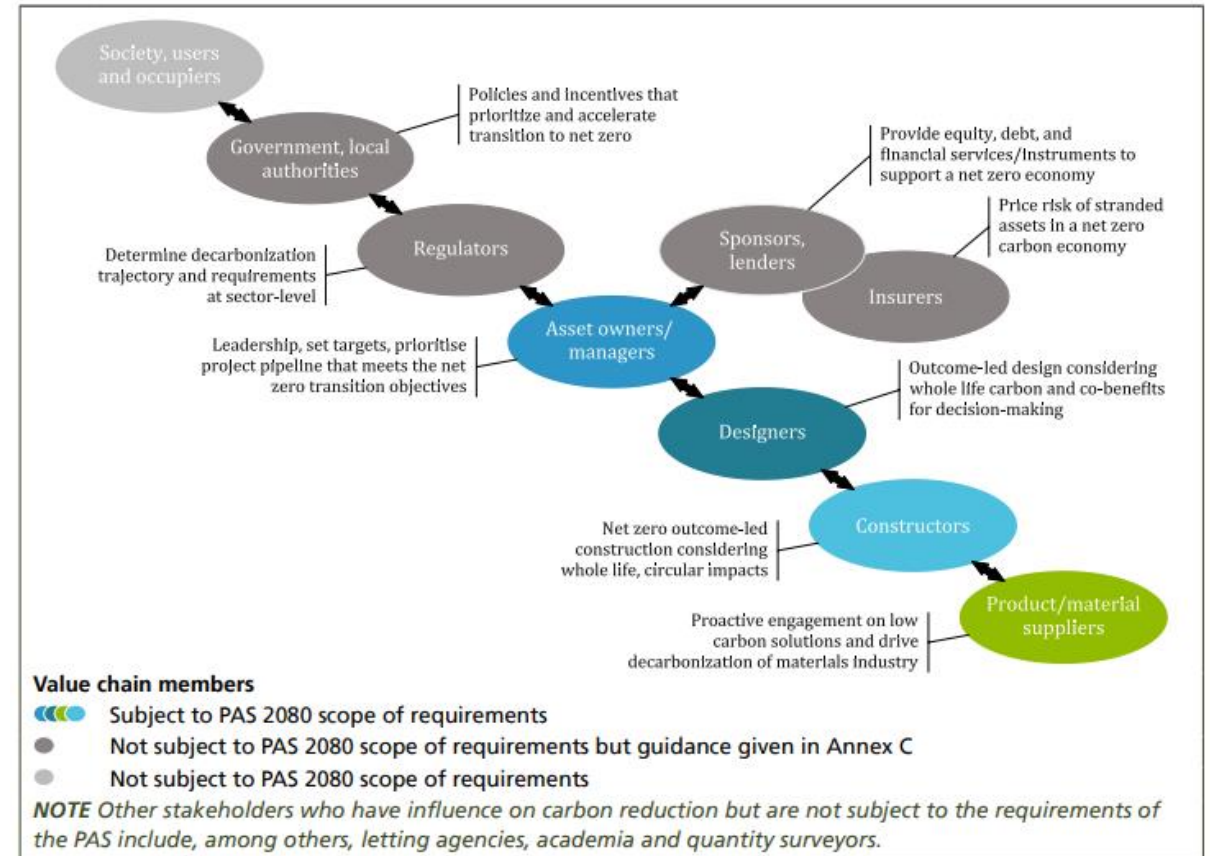
If a S61 is in place the following can be used to support the communication of the details

Dispensation / Variation Requests

- Dispensation template to be completed and issued to council within 2 weeks of proposed OOH works.
- For any permanent amendment to the S61, a Variation form will need to be completed and issued to Council.

Carbon Management

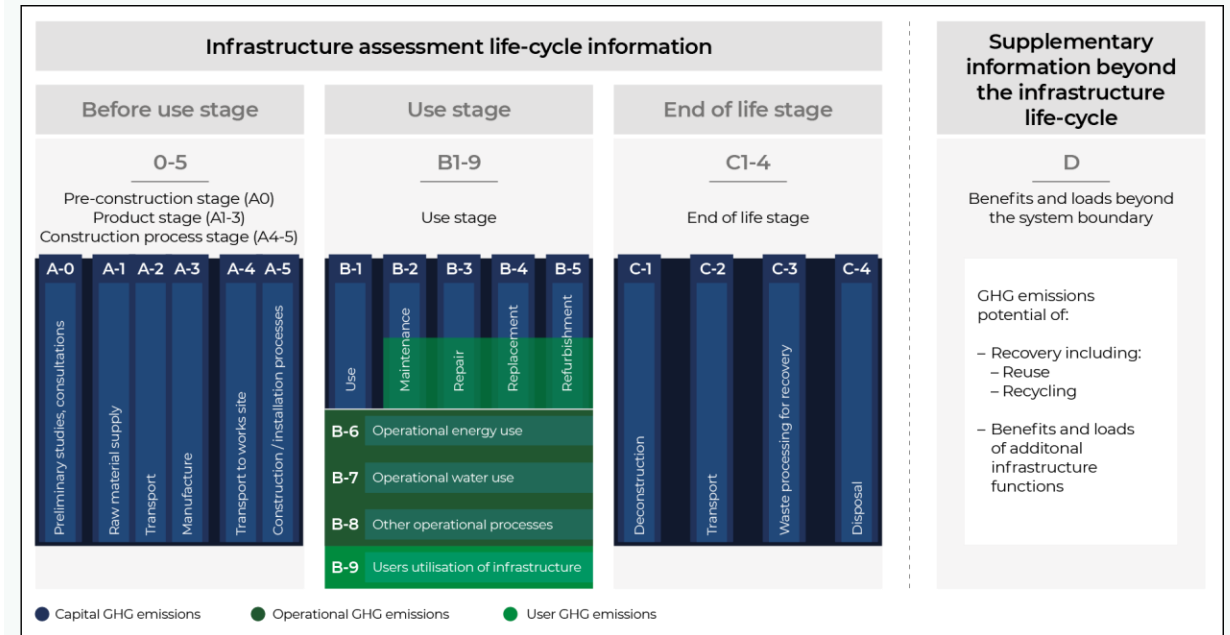
- Reducing whole life carbon is most effective when tackled collaboratively.
- It's key to also understand which value chain member you are, to support the most effective output.
- Think of it this way: ***if the asset owner does not want a low carbon solution, designers are not going to design a low carbon solution, constructors don't have a low carbon solution to deliver and product/material are not going to manufacture a low carbon product/material!***



Carbon Management

The PAS2080 Carbon Management in Buildings and Infrastructure is readily accessible ([here](#)) and provides a great framework for the industry to work together to tackle carbon emissions across all stages of the life-cycle.

Do you have the data to quantify and report the emissions related to your process?



The graph above shows all whole life carbon stages.

Monthly Environmental Reports

Reports don't have to be complicated or based on assumptions, nor do they have to take an unnecessarily long time.

If you have bought energy (diesel, electricity etc.) and materials (concrete, timber etc.), or generated waste, you will have the data needed to create a report.

If you received a digital invoice, even better as it means your suppliers can provide you with a report.

Creating an internal report which brings this data together in a common manner is the first step and will make completing NWRs or Tier 1 monthly reports a much easier and more accurate process

Energy & Carbon Performance per Financial Year - April to March		
Financial Year	2023/24	2024/25
Road Fuel - (L) Diesel		
Road Fuel - (L) Petrol		
Total Fuel (L)		
Electricity (kWh)		
Gas (kWh)		
Total (kWh)		
Scope 1 emissions - tCO2e - Petrol and Diesel		
Scope 1 emissions - tCO2e - Gas		
Scope 2 emissions - tCO2e - electricity		
Scope 3 emissions - tCO2e - CRP Categories		
Total		
Turnover and Intensity Ratios		
Financial Year	2023	2024
Turnover		
Fuel (L) / £1M Turnover		
Electricity (kWh) / £1M Turnover		
Gas (kWh) / £1M Turnover		
tCO2e/£1M turnover		
kWh/£1M turnover		

Tenders

These are most certainly intimidating but are also necessary to win work and to support NWR's strategy.

Breaking down the process to visualise the potential impact and provide a solution to satisfy the project's scope in the least impactful way, is a great start to support your submission.

Don't forget all the relevant standards which may be applicable to the project in scope but also don't forget the Value Chain Member graph from PAS2080 - collaboration is key!





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