


# Phoenix **ME**

## Net Zero Journey

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“Development that meets the needs of the present without compromising the ability of the future generations to meet their own needs”



## What does Net Zero Carbon mean?

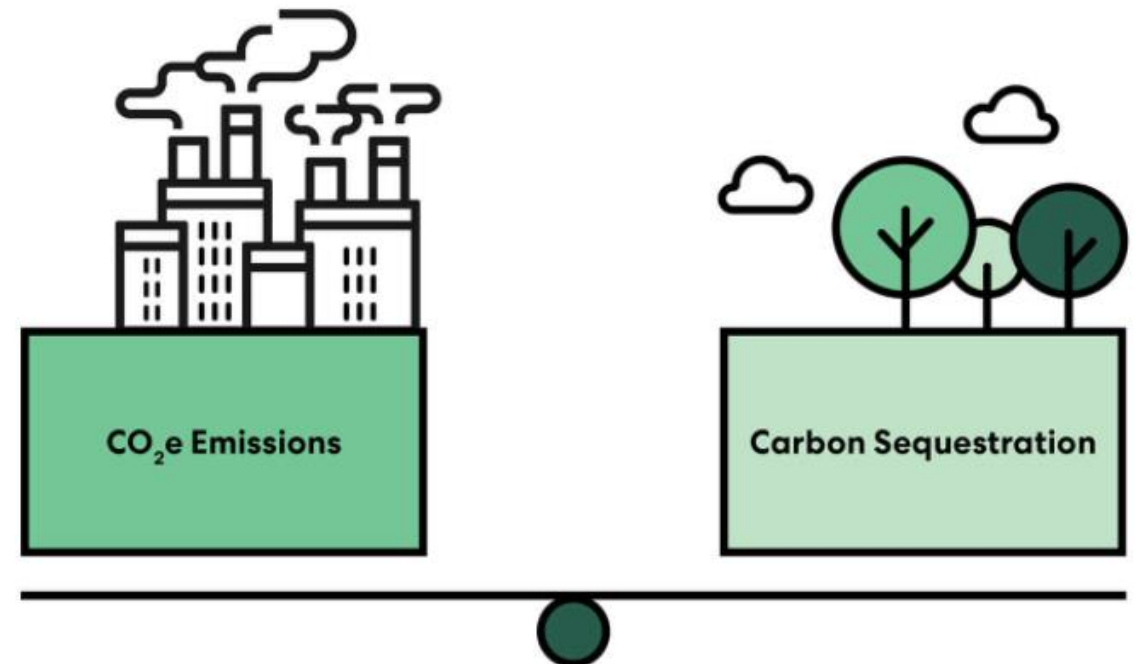
### Why Carbon?

Carbon is the predominant element found in Greenhouse Gases (GHG), the increase in GHG is resulting in Global Warming

Simplified, each emission is converted into a **CO<sub>2</sub>(e)** or Carbon Equivalent to ease measurement

### Net Zero?

Net zero refers to a state in which the greenhouse gases going into the atmosphere are balanced by removal out of the atmosphere.





## Why become Net Zero Carbon?

### Legal

**Global** - The Paris Agreement : 2015 – requires every country that signed up (192) to achieve Net Zero Carbon emissions by 2050 (or ideally 2030) - UK government has committed to reduce GHG by 68% by 2030

**UK** – Climate Change Act 2008 - committing the UK to a legally binding target of Net Zero emissions by 2050, set on a whole-economy basis.

### Economic

Reduction in energy use / consumption delivers cost savings

Net Zero Strategy – competitive advantage, Main Contractors are actively driving its supply chain to commit.

### Moral

Making a moral commitment to the Earth and its resources to ensure the future generations is surely the right thing to do.





Where does it live?

Environmental Management??

Corporate Social Responsibility??





## What is Sustainability?

In 1987 the United Nations defined it as “Development that meets the needs of the present without compromising the ability of the future generations to meet their own needs”

In 2015 the UN held a Summit (COP 21) where **17 Sustainable Development Goals (SDGs)** were adopted by world leaders to meet the requirements of the 2030 agenda for sustainable development. While the SDGs are not legally binding, governments are expected to take ownership and establish national frameworks for the achievement of the 17 Goals.







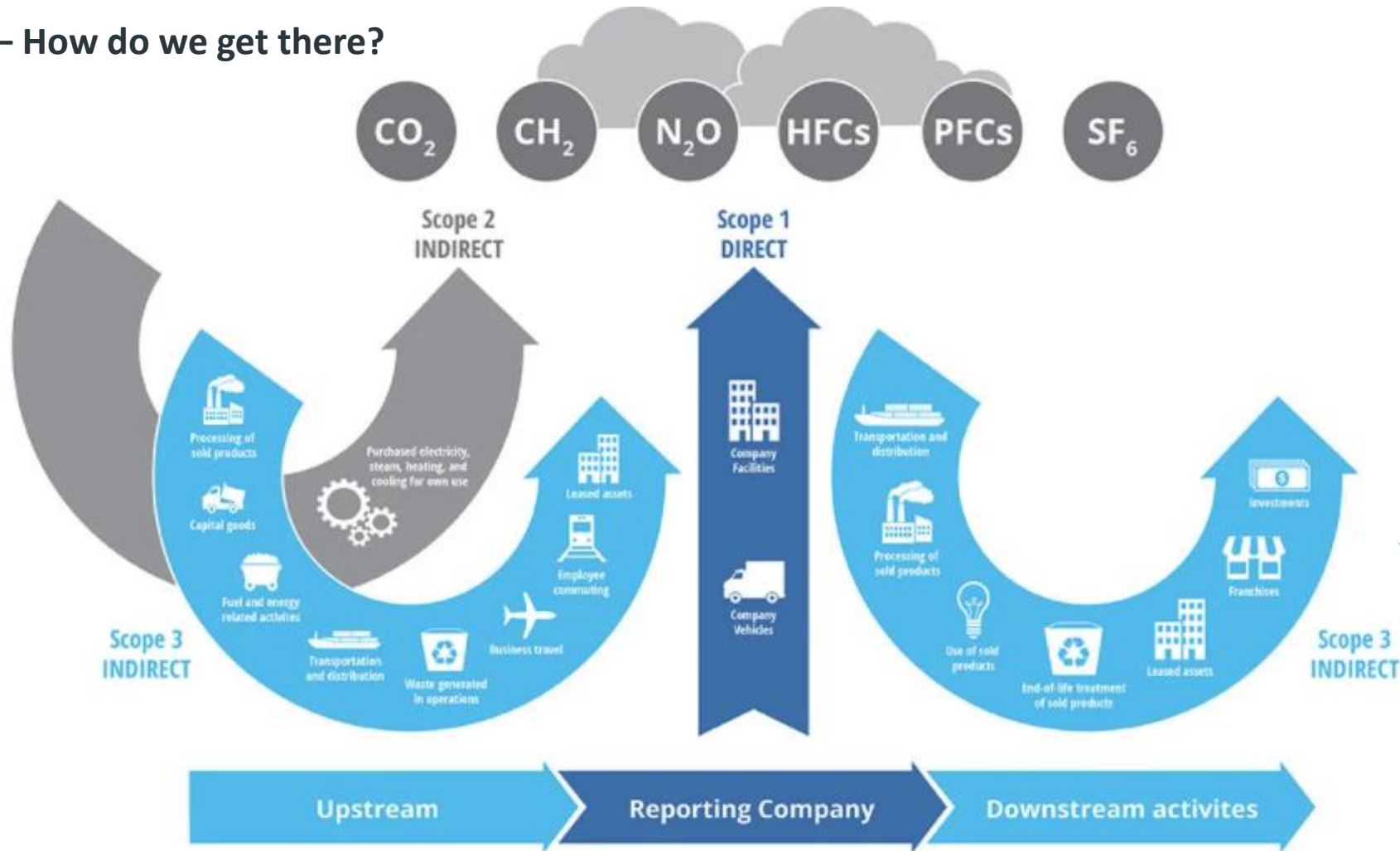
# SUSTAINABLE DEVELOPMENT GOALS





## Net Zero Carbon – How do we get there?

### Scope

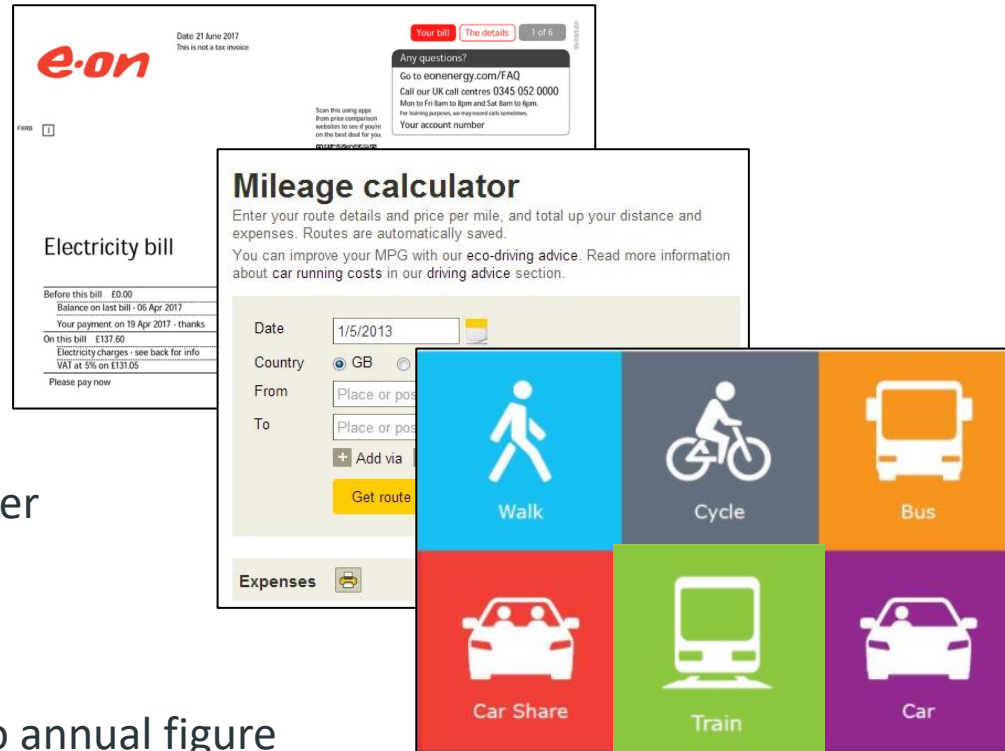




## Net Zero Carbon – How do we get there?

### Measure

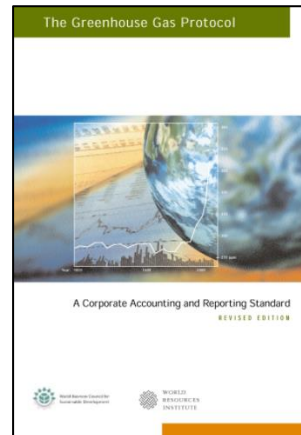
- Meter Readings / Energy Bills / Purchase Ledger
- Proxy Data – Average from cost info
- Sample Data – Pro-rata for a defined period to annual figure
- The Greenhouse Gas Protocol



The image shows two overlapping digital interfaces. The background interface is an e-on electricity bill dated 21 June 2017. It includes the e-on logo, a 'Your bill' tab, and a table with the following data:

Before this bill	£0.00
Balance on last bill - 06 Apr 2017	
Your payment on 19 Apr 2017 - thanks	
On this bill	£137.60
Electricity charges - see back for info	
VAT at 5% on £131.05	
Please pay now	

The foreground interface is a 'Mileage calculator' form. It has fields for 'Date' (1/5/2013), 'Country' (GB), 'From', and 'To'. Below these are 'Add via' and 'Get route' buttons. To the right of the form is a grid of six transport mode icons: Walk (blue), Cycle (grey), Bus (orange), Car Share (red), Train (green), and Car (purple).





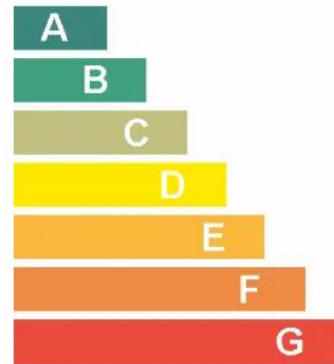
## Net Zero Carbon – How do we get there?

### Reduce

- Electrify the fleet



- Energy Surveys



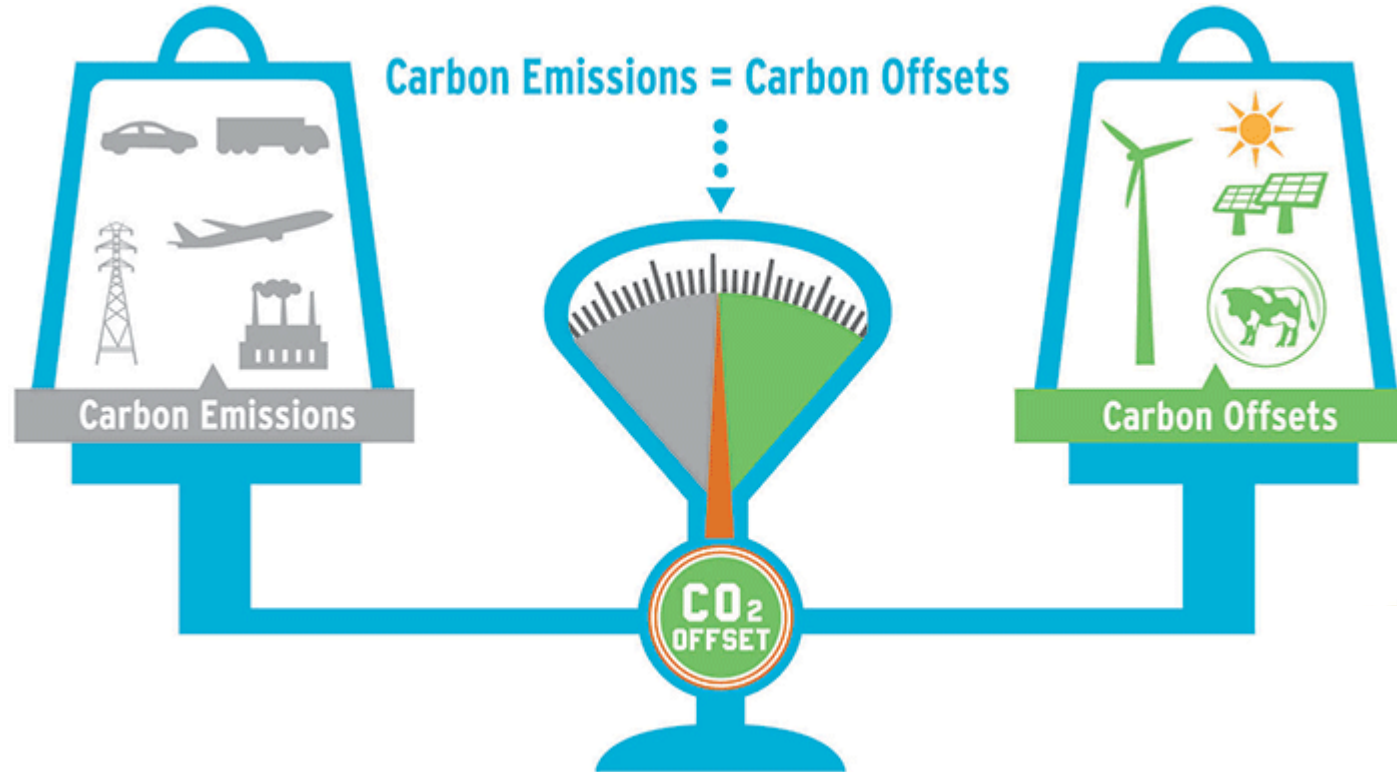
- Education





## Net Zero Carbon – How do we get there?

### Offset






## Net Zero Carbon – How do we get there?

### Report

### Sustainability Tool

### SECR / ESOS

**Sustainability Tool**  
measuring performance

Industry Dashboard  
▼ Phoenix ME Ltd

Carbon Reporting

Carbon reporting for period - 1st Jan 21 to 31st Mar 21

Report and apportionment

Company transport ⚠ Fossil fuels ⚠ Fugitive emissions ⚠ Electricity ⚠ Materials ✓ Third party transport

Metric	Units	Value
● Diesel (average biofuel blend - forecourt)*	Litres	<input type="text"/>
● Gas oil (aka red diesel)*	Litres	<input type="text"/>
● Hydrotreated Vegetable Oil (HVO)*	Litres	<input type="text"/>
● Natural gas (grid)*	kWh	<input type="text"/>
● Petrol (average biofuel blend - forecourt)*	Litres	<input type="text"/>
● Propane/LPG*	kg	<input type="text"/>
▼ Would you like to add data on OTHER fossil fuels?		<input type="button" value="Yes"/> <input checked="" type="button" value="N/A"/> <input type="button" value="No"/>





## **Net Zero Carbon – How are we doing?**

### **Scope**

Our scope includes the whole of our operation, all locations, all employees.  
We have included Scope 1,2 and 3 emissions and target Net Zero by 2025

### **Measure**

We are currently measuring our baseline information for the calendar year 2021.

### **Reduce**

Reduction strategies are in place including; LED lamp replacement program for head office,  
Fleet operations review – EV / PHEV / HEV options, Education packs – TBT's

### **Offset**

Identified offset schemes that are aligned with our values

### **Report**

Using the Sustainability Tool to capture all our carbon reporting





## Resources

The Carbon Trust <https://www.carbontrust.com/>

The Greenhouse Gas Protocol <https://ghgprotocol.org/>

UN Sustainability Development Goals <https://sdgs.un.org/>

Supply Chain Sustainability School - <https://www.supplychainschool.co.uk/>

Sustainability Tool - <https://carbon.sustainabilitytool.com/>





**Thank you  
&  
Any Questions**

