

# Fox Environmental Training Presentation

January 2025



*integrity | quality | solutions*

# Environmental Awareness is Critical



It is impossible to avoid hearing about:

- **Global Warming.**
- **Destruction of Tropical Rain Forests.** Over 200,000 acres of rainforest are burned every day. That is over 150 acres lost every minute of every day, and 78 million acres are lost every year!
- **Melting Glaciers and Permafrost.** The Antarctic ice sheet melting rate has accelerated threefold over the last 5 years. If present trends continue, the Antarctic melting could contribute 27 cm to sea-level rise by 2070!
- **Continuing increase in CO2 emissions.**
- **Species extinctions.** Scientists agree that today's extinction rate is at least 10,000 species every year!

# Environmental Consequences affecting us all now



- Storms, wildfires, droughts and record temperatures battered the globe in 2024. These were just a few of the most extreme weather events to impact people around the world over the past year:
- In North America The [Atlantic hurricane season started early](#), At the end of June, Beryl became the first major hurricane of the 2024 season, which swept through the Caribbean before making landfall on the Gulf coast of the US. It was the earliest Category 5 hurricane to form in recorded history.
- In early May, days of heavy rain brought [severe flooding and mudslides](#) to Rio Grande do Sul in southern Brazil leading to the collapse of a hydroelectric dam. Almost half the average annual rainfall for the area fell in just over a week.
- Despite the UK [having its coolest summer since 2015](#), much of Europe experienced a hotter than average season. A year's worth of rain fell in just eight hours in the mountains near Valencia and as it swept down into the city it caused extensive damage and led to the deaths of more than 200 people.

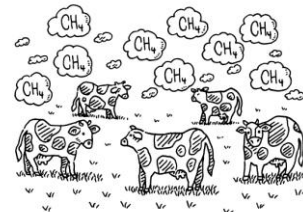
# The Reason

From energy & transport to plastic, our world relies on fossil fuels. But they're one of the main causes of climate change, pollute the environment & harm people worldwide.

For the future of our planet, we need to get away from fossil fuels & switch to greener alternatives.

## Biggest causes:

- Burning fossil fuels (Petroleum, Coal, Fracked Gas)
- Deforestation for Logging, Palm Oil, Animal Grazing & Crop Production.
- Farming Livestock & their by-products.



# Greenhouse Gases and associated Terms



## We use several terms for Carbon in relation to our Carbon Footprint

### Carbon dioxide

CO<sub>2</sub> is emitted by human activities and is sometimes used as a shorthand expression for all greenhouse gases. Greenhouse gas calculations should include all GHGs and not just CO<sub>2</sub>.

### Carbon dioxide equivalent (CO<sub>2</sub>e)

“Carbon dioxide equivalent” or CO<sub>2</sub>e is a term for describing different greenhouse gases and signifies the amount of CO<sub>2</sub> which would have the equivalent global warming impact..

### Carbon

Carbon is a chemical element which is present in many gases and compounds e.g. combined with oxygen to make carbon dioxide (CO<sub>2</sub>), and hydrogen to make methane (CH<sub>4</sub>). “Carbon” is sometimes used as a shorthand for referring to CO<sub>2</sub>, or greenhouse gases in general.

**Greenhouse Gases** (or GHG for Short) is any gas in the atmosphere, which absorbs and re-emits heat & thereby keeps the planet’s atmosphere warmer than it otherwise would be.

The main GHGs in the Earth’s atmosphere are water vapour, carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O) and ozone.

# Why we Burn Fossil fuels

- Industrial processes
- To Generate Energy
- Fuel our transport systems



Fossil fuels opened new doors for humanity. They formed from the transformation of ancient plants through pressure, temperature, and tens to hundreds of millions of years, essentially storing the sun's energy over time.

# To avoid burning Fossil Fuels

Governments and organisations around the world are trying to move to more Alternative Energy Sources, where possible the UK & USA are aiming to reach Net Zero carbon emissions by 2050.

Reduce Reliance on Fossil Fuels by use of:

- **Renewable energy** is defined as power derived from natural sources, that won't run out and self-replenishing such as wind, solar, tidal, bioenergy or hydroelectric.
- **Nuclear power** is the use of nuclear reactions to produce electricity. Nuclear power can be obtained from nuclear fission, nuclear decay and nuclear fusion reactions.
- **Hydrogen** is a clean alternative to methane, also known as natural gas.
- **Biomass** is generated from burning wood, plants and other organic matter, such as manure or household waste
- **Geothermal energy** is the heat produced deep in the Earth's core

# What is the difference between Global Warming and Climate Change

“**Global warming**” refers to the rise in the Earth’s surface temperatures due mainly to the increasing concentrations of greenhouse gases in the atmosphere.

“**Climate change**” refers to the increasing changes in the measures of climate over a long period of time – including precipitation, temperature, and wind patterns.



# Every Business & Every Individual should do what they can for the following reasons:

- ➔ Ethical - Any action on climate change confronts serious ethical issues of fairness and responsibility across individuals, nations, generations, and the rest of nature.
- ➔ Legal - Environmental laws ([Climate Change Act 2008](#)) are in force and increasingly getting more rigid in more areas of our operations.
- ➔ Financial - Efficient use of resources means we save more money.
- ➔ Reputation - Environmentally friendly companies enjoy a loyal customer base.

# Some Interesting Facts

- About **8 million** tonnes of plastic are dumped in the ocean each year.
- An estimated **8.3 billion** plastic bottles are sent for recycling every year in the UK. That's only **59%** of the estimated **14 billion** plastic bottles that are used each year.
  - The average person in the UK produces **over a kilogram** of waste per day
- E-waste is the fastest growing type of waste in the UK. The UK generates **1.6 million** tonnes of e-waste per year. That's **24 kg** of electronic waste per person, per year.
- The average global temperature on Earth has increased by at least **1.1° Celsius (1.9° Fahrenheit)** since 1880. The majority of the warming has occurred since **1975**, at a rate of roughly **0.15 to 0.20°C** per decade.
- Sea levels to rise between **26 to 77cm by 2100** with temperatures warming **1.5 °C**.
  - Approximately **25%** of the world's coral reefs have been irreversibly destroyed.
- **14 million tonnes** of municipal waste was sent to UK landfill in **2021** - **6.8 million tonnes** of this was biodegradable waste i.e. greenhouse gas producing - DEFRA has set a target for the '**near elimination**' of biodegradable waste to landfill by 2028.
- Percentage of household waste that **is recyclable is 80%**, our current **recycling rate is 45%** (DEFRA 2021) (**44.1%** in England, **56.7%** in Wales, & **48.4%** in Northern Ireland) DEFRA has set targets for the UK to achieve a recycling rate of **60%** by **2030** and **65%** by **2035**.

# Did you know!

- ➔ Only 1% of the world's water supply is usable, 97% is the oceans and 2% is frozen (for now).
- ➔ If a glass bottle is re-cycled, it saves enough energy to light a 60 watt bulb for 3 hrs or more !
- ➔ An automatic dishwasher uses less hot water than doing dishes by hand, an average of six gallons less per cycle, or over 2,000 gallons per year.
- ➔ Every time you open the refrigerator door, up to 30 percent of the cold air can escape.
- ➔ It takes 70% less energy to recycle paper than it does to make it new from raw materials
- ➔ Aluminum can be recycled forever without any loss of quality

# Fox is accredited to ISO14001

**ISO14001 is a management tool enabling an organisation of any size or type to:**

- Identify and control the environmental impact of its activities, products or services;
- Improve its environmental performance continually, and
- Implement a systematic approach to setting environmental objectives and targets, to achieving these and to demonstrating that they have been achieved.



# Legal

- ➔ More environmental legislation has been created at National and European level than ever before.
- ➔ Most incidents involving pollution or poor waste management are the result of flagrant breaches of the law.
- ➔ Courts take a severe view of environmental offences and penalties imposed can be very high.



# Financial

The efficient use of resources means saving money.

- ➔ Routine and regular maintenance of our premises and our equipment and vehicles:
- ➔ Reduces Energy Consumption.
- ➔ Reduces CO2 emissions.



# Benefits to the Business

- ➔ Environmentally friendly companies enjoy a better reputation.
- ➔ Most large companies and public bodies prefer to source suppliers who take account of environmental issues.
- ➔ Tenders for removals contracts require proof of our Environmental Policies and evidence that they are enforced in our activities.



# Environmental Policy

- ➔ Most companies have an Environmental Policy. It should be more than a poster on the wall and should be taken seriously ! You will find ours on the notice board upstairs next to the Corporate office and on the next page.
- ➔ 14001 requires that we/you take a proactive approach, rather than just playing lip-service to the Policy.





# Our Environmental Policy

Fox Moving & Storage will endeavour to conduct business in such ways as to show full respect to the environment in respect of the workforce, its customers, clients and the community at large.

We are committed to providing a quality service in a manner that ensures a safe and healthy workplace for our employees and minimises our potential impact on the environment.

We will operate in compliance with all relevant environmental legislation and we will strive to use pollution prevention and environmental best practices in all we do. Not only is this sound commercial sense for all, it is also a matter of delivering on our duty of care towards future generations.

Our policy is to:

- Integrate the consideration of environmental concerns and impacts into all of our decision making and activities, assessing the environmental impact of any new processes or products we intend to introduce.
- Promote environmental awareness among our employees and encourage them to work in an environmentally responsible manner.
- Communicate our environmental commitment to clients, customers and the public and encourage them to support it.
- Reduce waste through re-use and recycling and by purchasing recycled, recyclable or re-furnished products and materials where these alternatives are available, economical and suitable.
- Operate and maintain company vehicles with due regard to environmental issues as far as reasonably practical.
- Promote efficient use of materials and resources throughout our facility including water, electricity, raw materials and other resources - particularly those that are non-renewable.
- Avoid unnecessary use of hazardous materials and products, seek substitutions when feasible and take all reasonable steps to protect human health and the environment when such materials must be used, stored and disposed of.
- Strive to continually improve our environmental performance and minimise the social impact and damage of activities by periodically reviewing our environmental policy in light of our current and planned future activities.

# Environmental Impact

- A removal company has limited impact on the environment. We do not use chemicals or hazardous goods or pollute the environment with noxious factory fumes, for instance.
- Although we use large removal trucks, they are all well maintained; run on diesel fuel and comply with the latest European emission rules
- We have converted most of our facilities to LED lighting
- We now have several electric cars on our fleet and will move to more as and when we need to
- Fit Solar panels on our buildings to help generate electricity



# Environmental Objectives

- ➔ An environmental objective is a specific environmental goal. Your organisation's environmental objectives must be consistent with its environmental policy.
- ➔ Environmental Objectives must be measureable e.g. If a company states in its policy that it will plant 3 trees a year in the Amazon Rain Forest – then that's what it must do!



# Useful Reading



**Friends of  
the Earth**

Here is a nice guide to what you can do to help the environment without breaking a sweat! Follow the link Below:

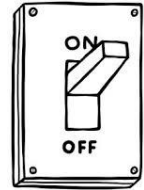
<https://friendsoftheearth.uk/climate/7-lazy-ways-be-environmentally-friendly>

# Our Objectives?

- ➔ To ensure that a minimum of 75% of our suppliers demonstrate their environmental accreditations by completing our Environmental Questionnaire.
- ➔ To try to achieve recognition from every member of staff.

# What can we do as Individuals?

- Turn off lights when not in use.
- Perform Video Surveys whenever possible.
- Switch off equipment when not in use.
- Do not leave equipment on Standby.
- Report maintenance issues/problems.
- Use your own mug – not plastic cups.
- Car share, where possible.
- Walk / Cycle to Work.
- Save energy at every opportunity
- Recycle as much as possible.



# In the Office

Reduce paper usage by:

- ➔ Print only when necessary.
- ➔ Setting printer default to duplex (double sided) print.
- ➔ Using discarded paper as scrap note paper.
- ➔ Formatting documents to fit in one page when possible.
- ➔ Collect toner cartridges and batteries – do not dispose of in general waste and dispose of professionally.
- ➔ Sort Kitchen/Office Waste into recycling bins and bags



# Things we can do everyday !

- ➔ Sort waste into recycling bins and bags
- ➔ Treat packing materials with respect; re-use when possible.
- ➔ Keep tyres properly inflated; poorly inflated tyres are not safe and increase your fuel consumption.
- ➔ Drive smoothly – accelerating & slowing down gently can decrease your fuel consumption.
- ➔ Drive quietly, especially in built up areas.



# The Need for Annual Audits

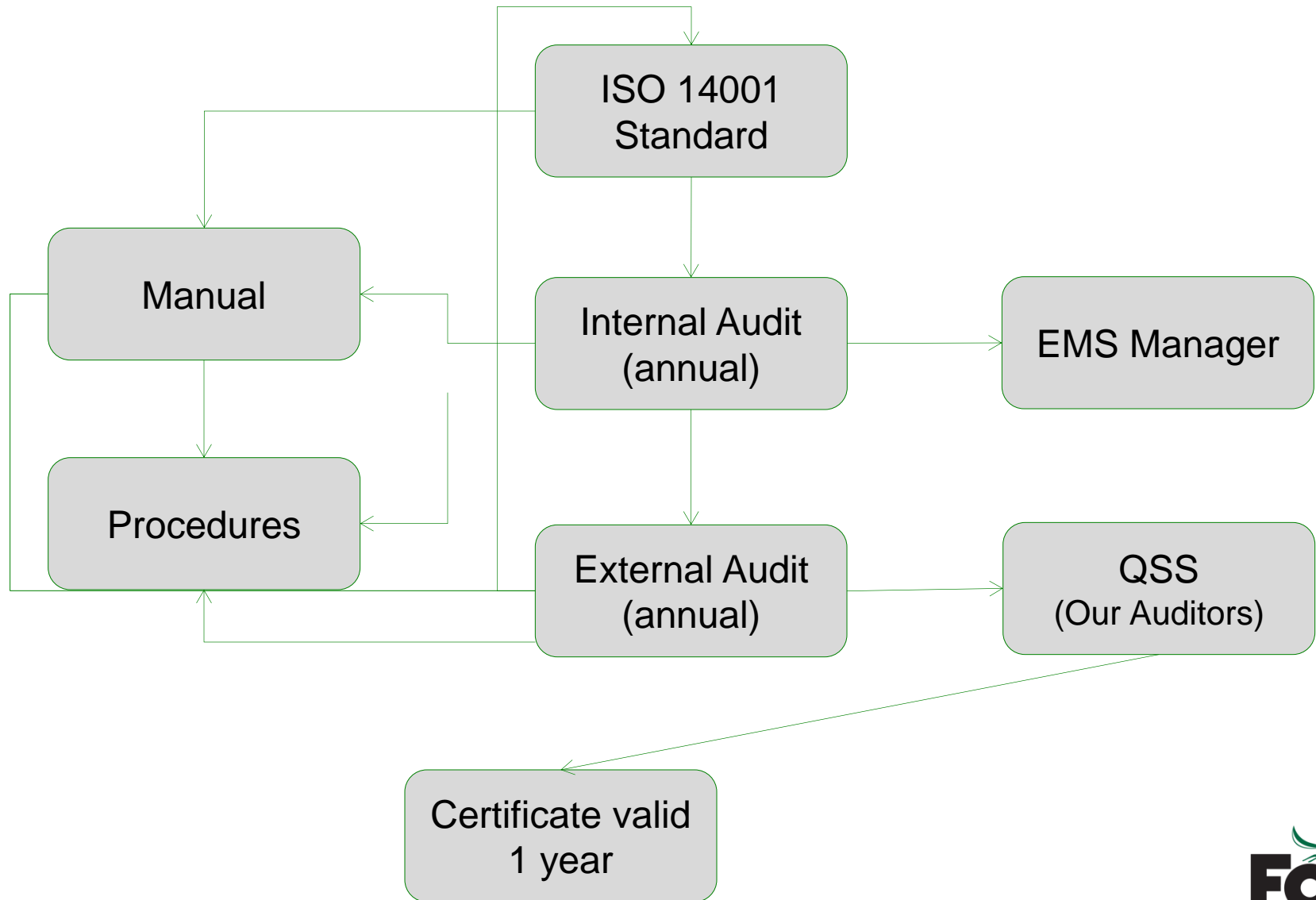
We are audited annually to ensure that the system is working effectively i.e.

- ➔ Resources - manpower, skills, equipment and premises etc. are adequate
- ➔ The organisational structure is effective
- ➔ Procedures are being followed
- ➔ This is a Mandatory process for any Quality Programme!

The Auditor is there to assist the company to work towards the goals that we have set so every year at Head Office, we receive:

- An Internal Audit, which is carried out by the quality Manager or external consultant
  - An External Audit, which is carried out by the Certification Body and is always in November

# How the ISO14001 Standard Works



# Measure Your Carbon Footprint

If you did this last year (2024), you might want to try it again  
and see if you made a difference



A Carbon footprint is measured in Tonnes or Kg and is the total amount of CO<sub>2</sub> & equivalent greenhouse gases generated by an individual, product, person or country.

Your personal carbon footprint is what you leave behind because of moving about, consuming, eating and using resources like energy.

Follow this Link to find out what **YOUR** footprint is and send the total calculated in an email to [training@fox-moving.com](mailto:training@fox-moving.com) to confirm that you have read and understood this training document

[https://carbon-calculator.climatehero.org/?source=GoogleKeywords&gad\\_source=1&gclid=EAlalQobChMIj\\_T3maLkgwMVMYlQBh3MkAQQEAAyAAEgK9UfD\\_BwE](https://carbon-calculator.climatehero.org/?source=GoogleKeywords&gad_source=1&gclid=EAlalQobChMIj_T3maLkgwMVMYlQBh3MkAQQEAAyAAEgK9UfD_BwE)

# Even a small effort contributes to protecting the Environment

Here are some links to more information: -

[https://www.climateaction.gov.wales/green-daily-choices/?gclid=EAlalQobChMIvsK5uebkgwMVeZtQBh05BQwGEAAAYiAAEgJu8vD\\_BwE](https://www.climateaction.gov.wales/green-daily-choices/?gclid=EAlalQobChMIvsK5uebkgwMVeZtQBh05BQwGEAAAYiAAEgJu8vD_BwE)

<https://www.nationalgrid.com/stories/energy-explained/what-are-greenhouse-gases>

<https://www.bgs.ac.uk/discovering-geology/climate-change/how-does-the-greenhouse-effect-work/>



Our planet **doesn't need a handful of perfect environmentalists.**  
It needs **millions** of imperfect people **doing what they can to make a difference, and** always trying to do better.