IMPACT REPORT

PANTERA GROUP | NET ZERO 2040

CONTENTS OF THE REPORT

PANTERA GROUP | NET ZERO 2040

SECTION 01:
UNDERSTANDING NET ZERO

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MD'S MESSAGE

Our business has focused on excellence and aiming to be the best in everything we do for the past 25 years.

Sustainability has always been a part of our practice, for Pantera, this has predominantly been the control of timber and timber-based products - ensuring they are from sustainable sources. This is still as important as ever, however, reporting and reducing carbon emissions from our business is now equally top of the agenda. During 2022/23 the impact of climate change has been more visible than ever, with the increase of natural disasters such as droughts and wildfires, combined with sea levels rising and ecosystems disrupted.

As a business leader in construction, a sector responsible for approximately 25% of greenhouse gas emissions annually in the UK, we know we must support climate change action, for the future of not only our businesses, but the planet and future generations.

In 2023 we have raised the bar by setting our own science-based targets for carbon reduction. In the years leading up to our targets we will strive to reduce carbon in our business and for the businesses we serve by assessing our products, operations and people. In doing so, enhancing ours and our industries development towards net zero carbon emissions.

PETER MILLS
Managing Director

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INTRODUCTION

NETZERO 2040

WHAT DOES NET ZERO MEAN?

A company, or society reaches net zero when the carbon we add is no more than the carbon taken away. The net impact = zero emissions into the atmosphere.

Net zero can only be achieved when a company reduces their emissions by 90% as set by SBTI in accordance with the Paris Agreement (2016). The remaining 10% can be offset with carbon removals.

WHO IS PUSHING FOR NET ZERO?

The Global Target set in the internationally, legally binding Paris Agreement (2016) is for global warming to not exceed 1.5°C.

The UK government have also pledged that all sectors in the UK will have reached net zero by 2050.

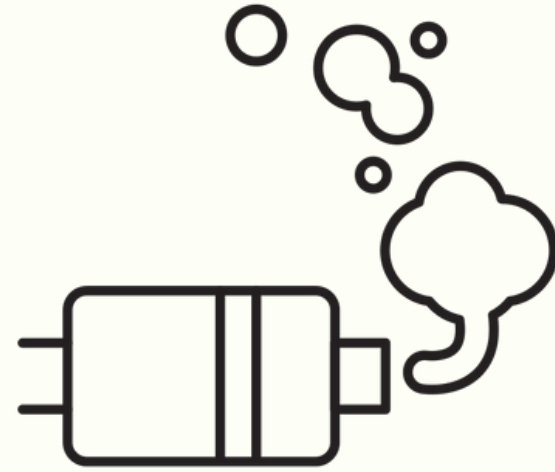**PANTERA GROUP** | **NET ZERO 2040**

PANTERA'S ATTITUDE

Here at Pantera our mission is "TO BE THE BEST IN EVERYTHING WE DO".

Applying this to our environmental work means getting ahead of the competition and getting to work early on reaching net zero!
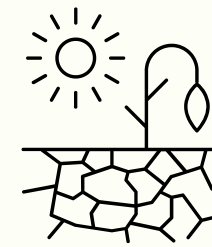
THE ISSUE

These greenhouse gases (the majority being carbon emissions) are responsible for numerous impacts that will only worsen if net zero pledges are not taken seriously...

25%

Of all greenhouse gases produced in the UK derive from the construction industry

Increased Drought - increased global temperatures makes water availability scarcer. Currently 40% of the world's population is affected by water scarcity and by 2030 it is predicted that up to 700 million people could be at risk of being displaced due to water scarcity.

More Health Risks - air pollution, sickness, forced relocation, increasing hunger and inadequate nutrition in areas where people cannot grow or get enough food are only a few of the health effects of climate change. 13 million individuals every year are killed by environmental factors. Extreme weather events increase fatalities and make it challenging for health care systems to keep up with the growing number of diseases caused by changing weather patterns.
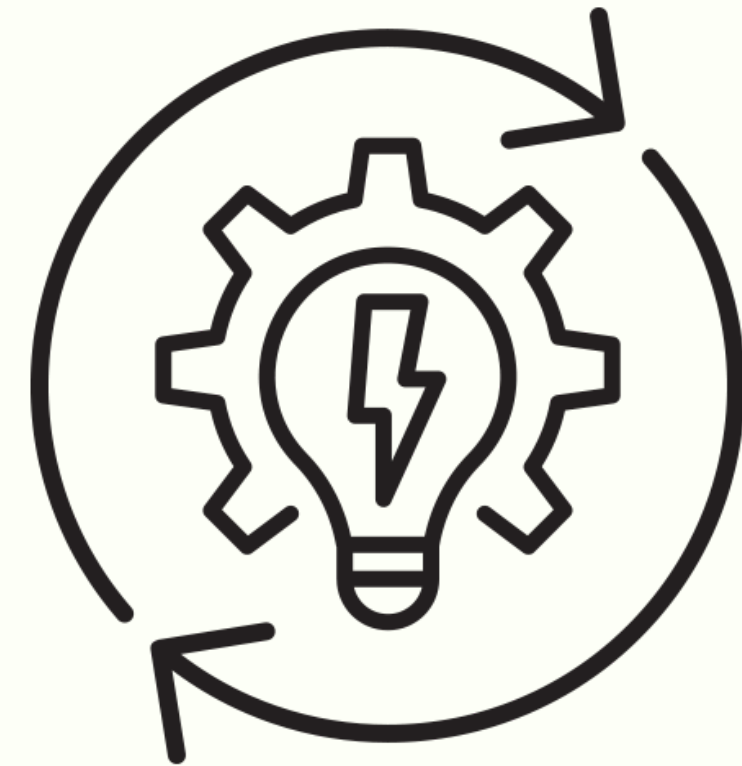
Food Shortages - extreme weather events and climate changes are the biggest factors behind the rise in hunger and poor nutrition. As well as this, oceans becoming more acidic means marine resources that feed billions are becoming rarer and rarer...

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EMISSION SCOPES

Scope 1 - The direct emissions produced by your company from owned or controlled sources, such as boilers, furnaces and vehicles. Put simply, they're emissions that are directly released into the atmosphere.

Scope 2 - The indirect emissions produced through your company's purchased electricity consumption.

Scope 3 - Everything else. This is the indirect emissions from sources not owned by your company and that are in your supply chain. Such as the production of goods or services you buy, the transportation and disposal of your goods as well as any business travel and employee commutes.

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CO_2 CH_4 HFCs PFCs N_2O SF6

Scope 2
Indirect

Scope 3
Indirect

Scope 1
Direct

Scope 3
Indirect

Purchased electricity, steam heating and cooling.

Leased assets

Employee commute

Business travel

Waste

Company vehicles

Company facilities

End-of -life treatment of sold products

Transportation and distribution

Processing of sold products

Purchased goods and services

Capital Goods

Fuel and energy

Transportation and distribution

Use of sold products

Investments

Franchises

Leased Assets

Upstream Activities   Reporting Company   Downstream Activities

SECTION 02:

PROGRESS REPORT

TACKLING THE ISSUE

To fully understand Pantera's impact in terms of emissions we made Zevero our **Sustainability Partner.**

THE ROAD TO NET ZERO

MEASURE

It all began with a plan...

The first step we took was measuring Pantera's emissions with the help of our sustainability partner Zevero.

TARGET

Next we consulted with Zevero to establish an ambitious yet achievable target of being net zero by **2040**. With a near term target of 42% reduction by 2030 from a 2022 baseline year, to ensure we met the standard of the Science Based Target Iniative

REDUCE

With Zevero's help we have built a plan to achieve our net zero targets, reducing our emissions, and building sustainability into our business.

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OUR EMISSIONS

Working closeley with Zevero, the first step was to calculate a baseline year of emissions (somewhere we could set a target from) and considering the uncertainty that the COVID-19 pandemic placed on 2020 and 2021, 2022 was selected as the most appropriate data set for measuring future emissions against.

As an SME, SBTi only require we set a target for scope 1 and 2 emissions. With the aid of our sustainability partner Zevero, we undertook the task of carbon accounting within these two areas. The graph on the right shows our scope 1 and 2 emissions for 2022. Clearly, our biggest contributor is our fleet which currently consists of a majority of diesel vehicles. Much smaller contributions come from the purchased electricity and the company electric vehicles (EVs).
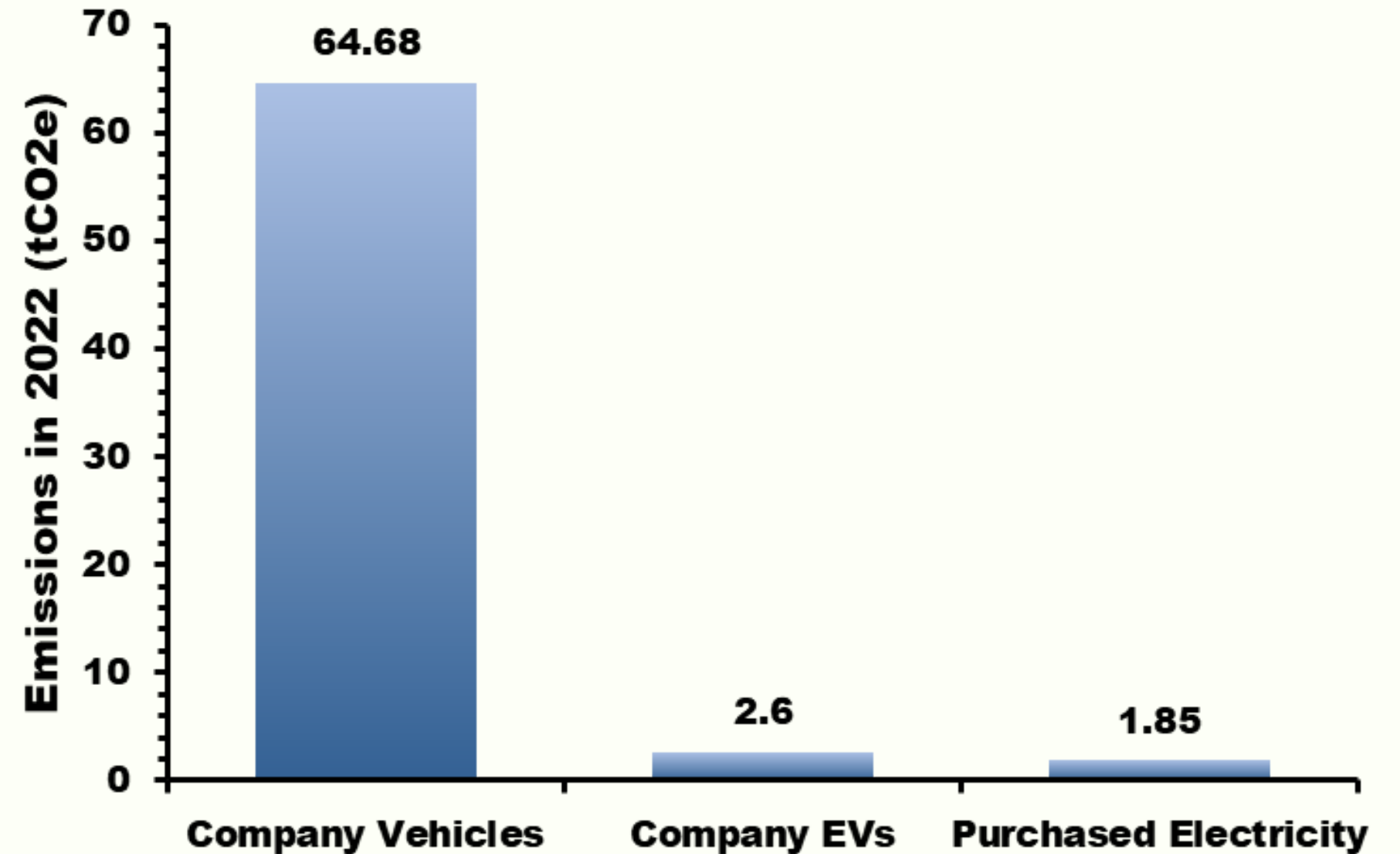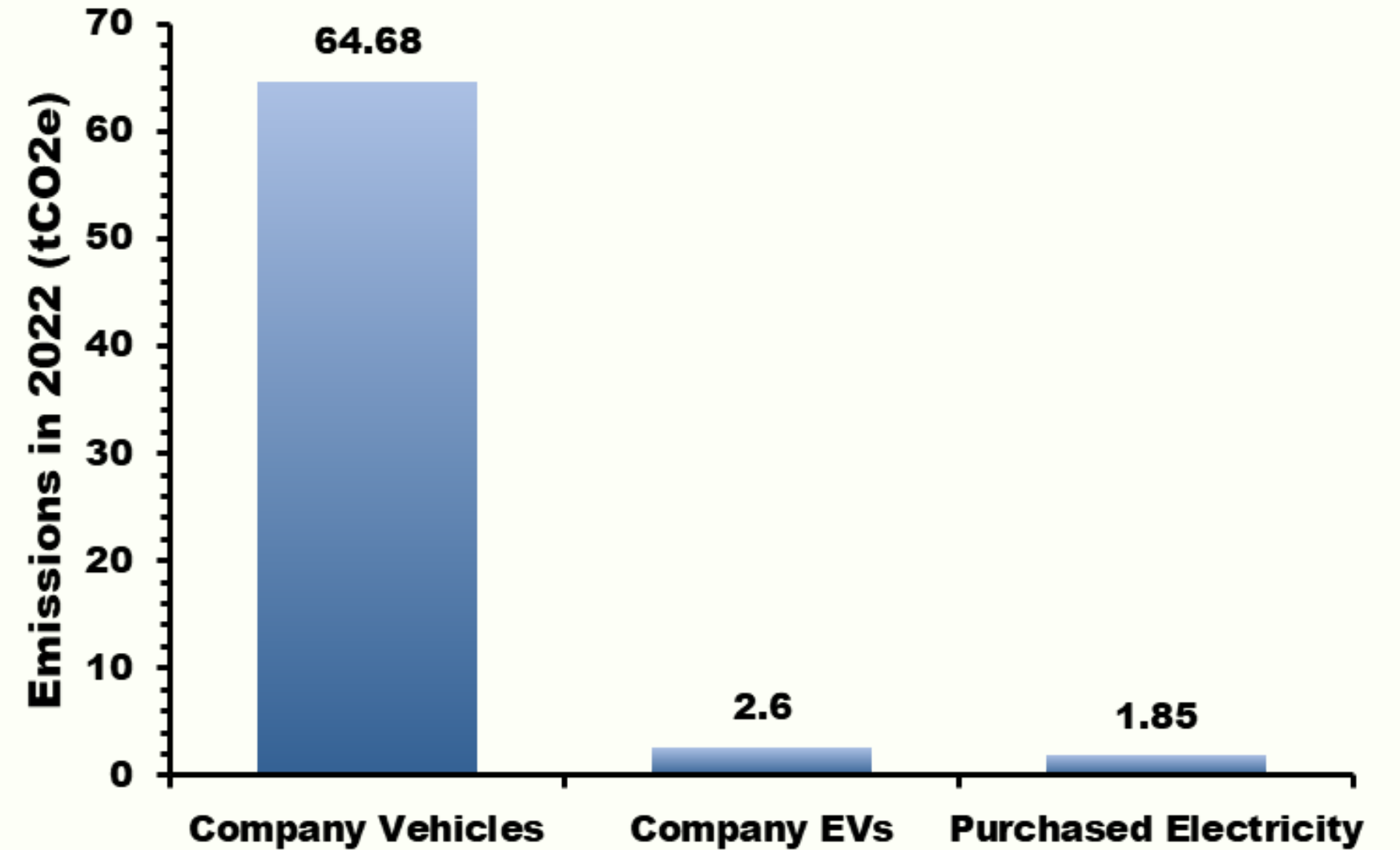
OUR EMISSIONS

SCOPE 1

Item	Emissions (tCO2e)	Emissions %
Company Vehicles	64.68	93.54%
Total	64.68	93.54%

SCOPE 2

Item	Emissions (tCO2e)	Emissions %
Company EVs	2.6	3.76%
Purchased Electricity	1.85	2.69%
Total	4.45	6.46%

Overall Total	69.13	100%

zevero

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OUR NEAR-TERM TARGET

To meet the requirements of SBTI a near-term target has to be established. So, while our net zero target for scopes 1 and 2 is 2040 our near-term target is a reduction of 42% by 2030. That's a reduction of 5.25% every year from 2022.
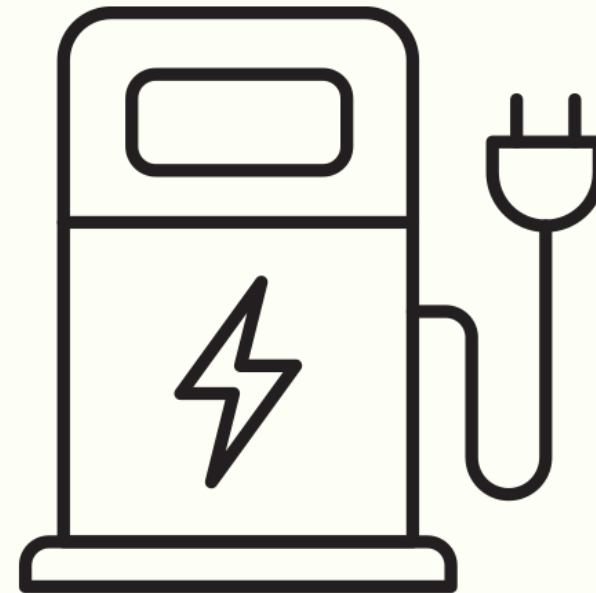
SCIENCE
BASED
TARGETS

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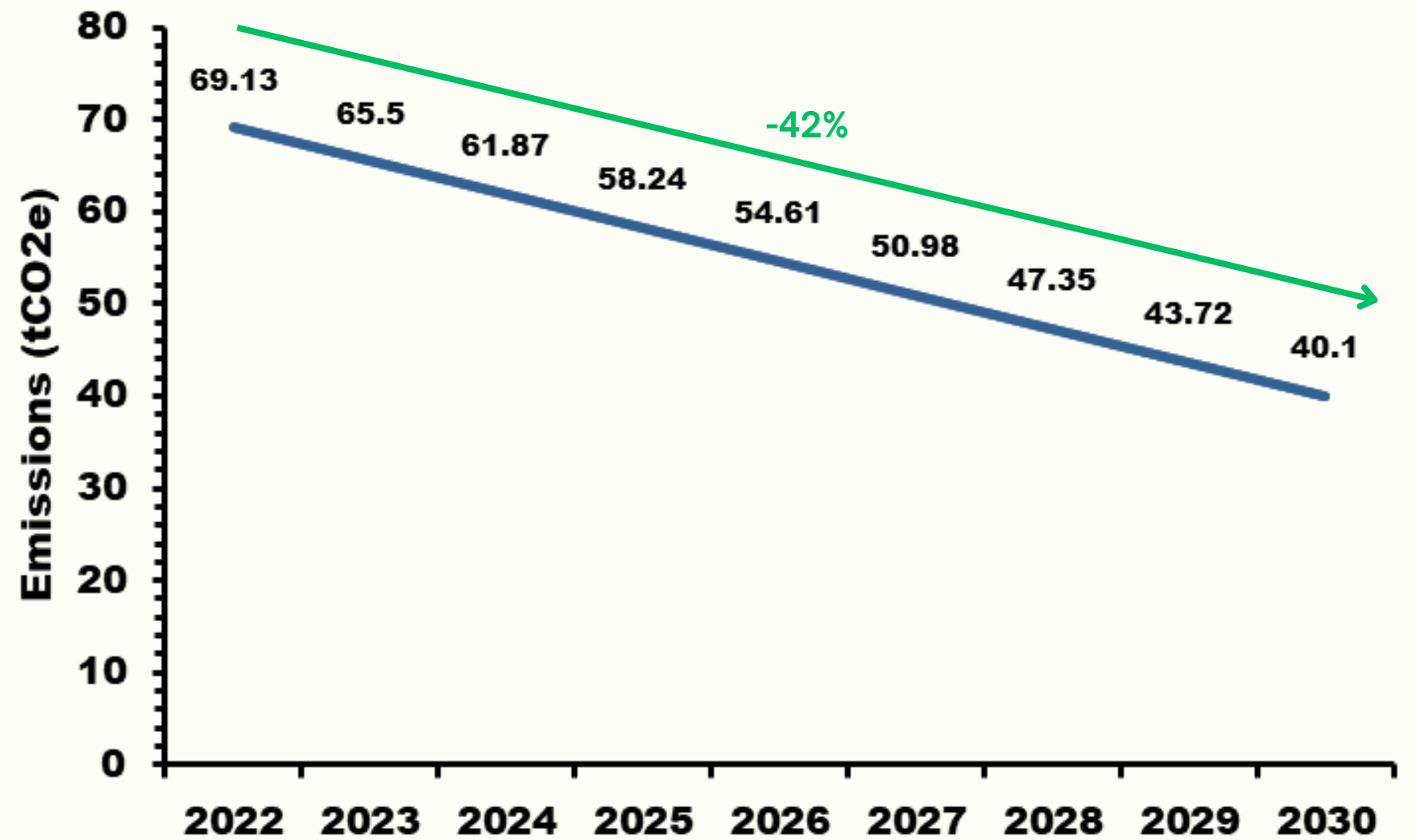
STEPS IN THE RIGHT DIRECTION

90% LED LIGHTING

In our facilities around 90% of our lighting is already LED, an energy efficient and emission reducing choice.

ELECTRIC VEHICLES

We have already substituted 2 diesel vehicles for electric vehicles and will continue to replace with EV as each vehicle comes to the end of its service. It may not be feasible to change all vehicles to electric at this stage but as EV technology improves it may be possible in the future.

RENEWABLE ENERGY

The energy supply to our offices and warehouse is supplied through renewable energy contracts (Market point).

The Road to Net Zero | 2024

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SECTION 03:

# REDUCTION STRATEGIES AND THE FUTURE

THE FLEET

The baseline data shows that the fleet vehicles are the biggest contributor to Pantera's scope 1 and 2 emissions, and as a result, it will require the biggest change. With the help of Zevero, we have produced a strategy for the replacement of vehicles on an end of service basis as well as in line with the year on year reduction targets for the near-term target.
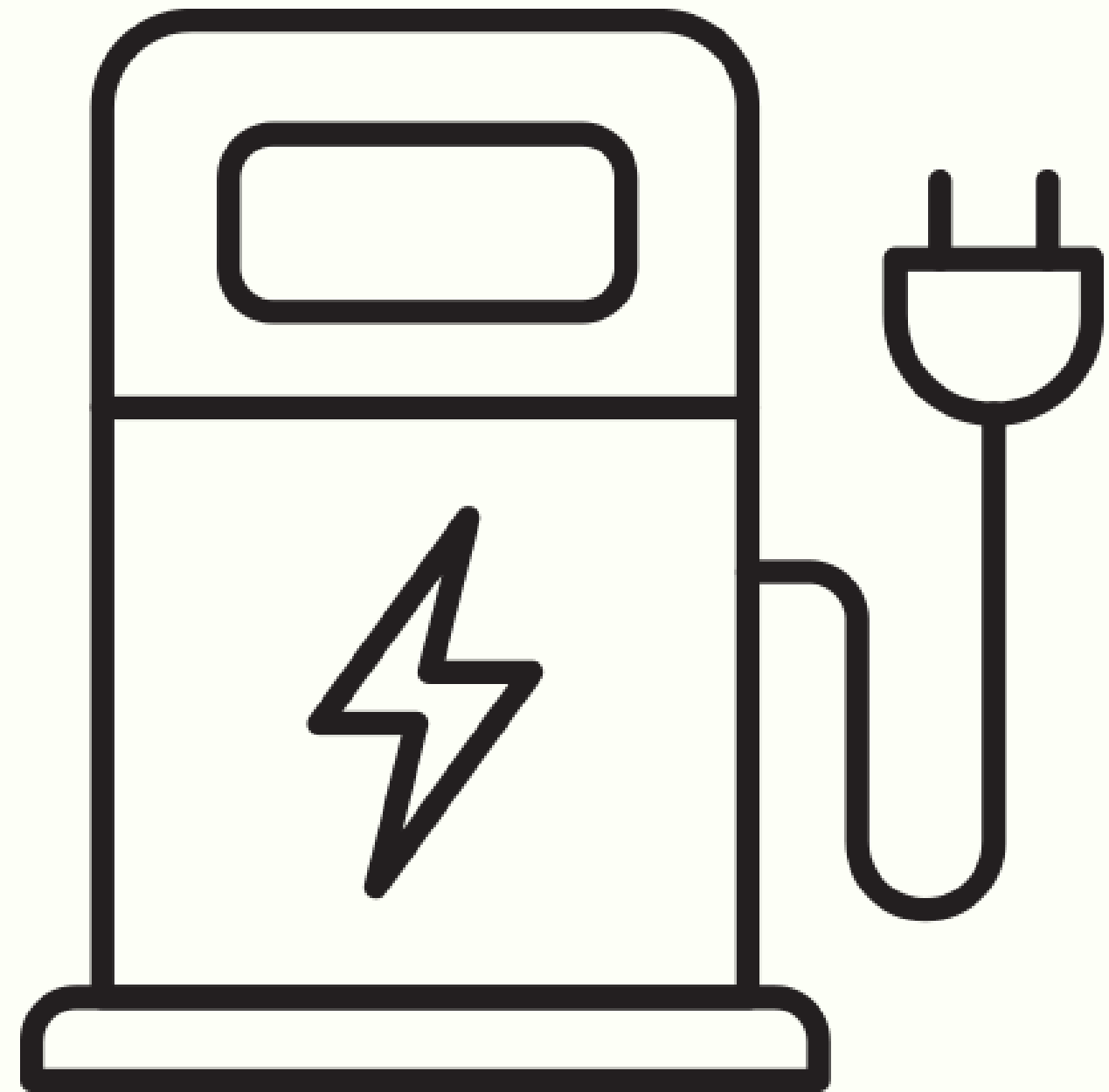
VEHICLE REDUCTION STRATEGY
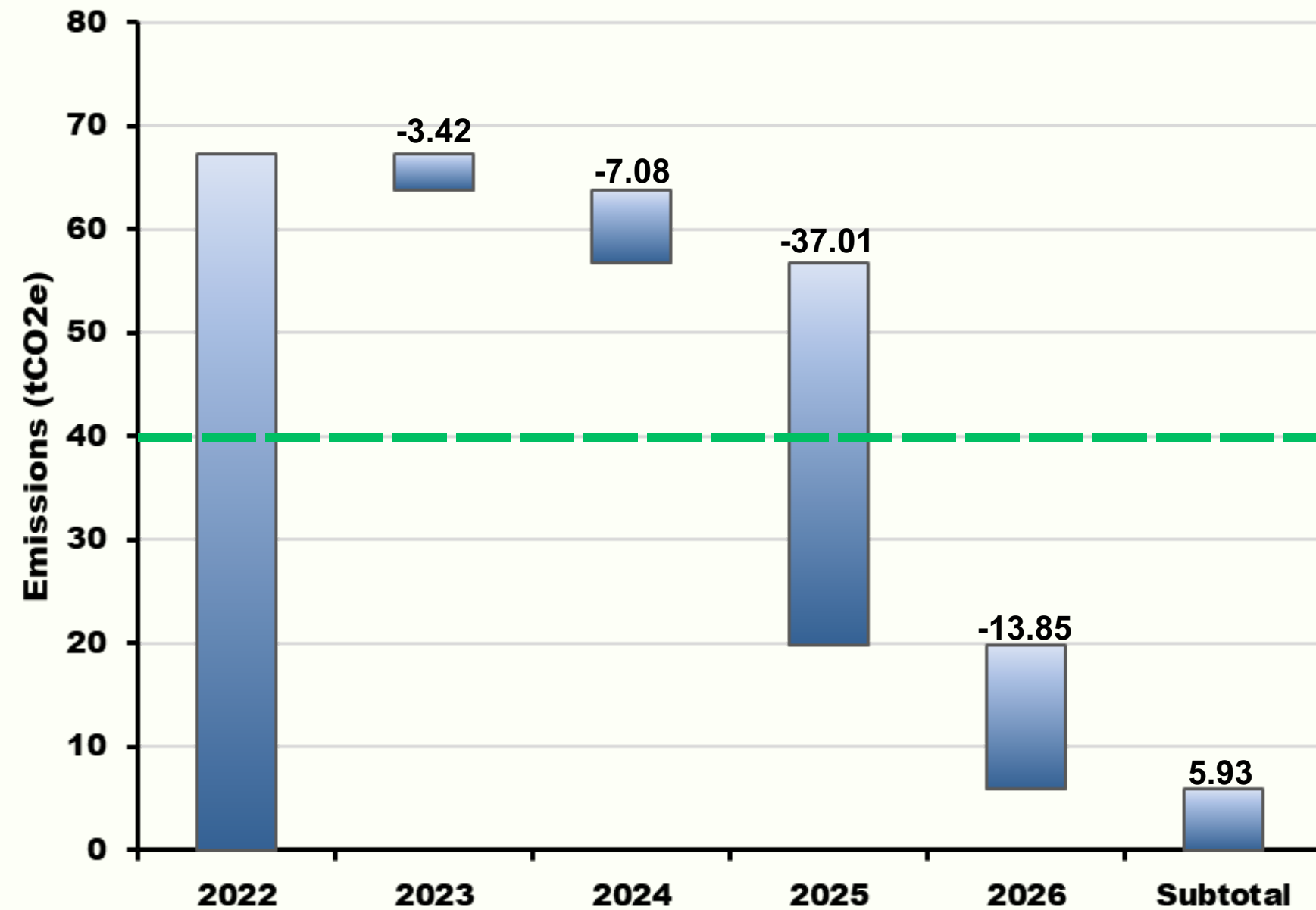
The graph on the left shows the most efficient path to reducing emissions from our fleet. The green line represents the level we must reach in order to fulfil our near-term target in 2030. Promisingly, our reduction strategy appears to be more than feasible and we are targeting to exceed our near-term target, its the Pantera way!

ENERGY SUPPLY & USE

Pantera's premises are predominantly supplied by renewable energy contracts and as the current agreements come to an end new agreements will be made to make sure all supply to new and existing facilities is from renewable contracts.

To reduce power usage, the facilities will be implementing smart sockets which prevent energy usage when appliances and machinery is not in use.

Pantera will undertake a feasibility study for the installation of solar panels at facilities to power machinery, offices and EV charging stations

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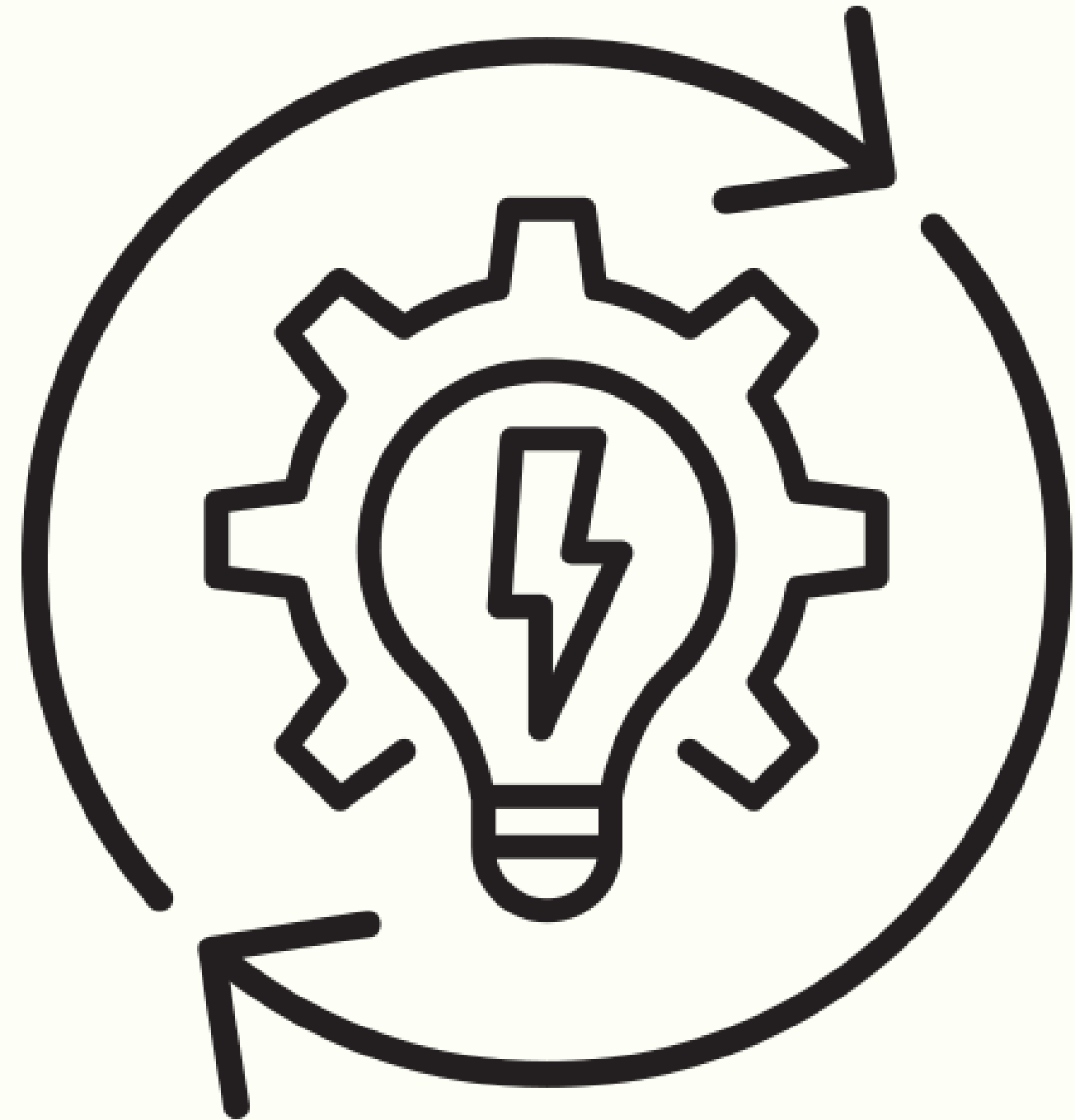
SCOPE 3 MONITORING

Whilst not required to monitor Scope 3 emissions by the SBTi, Pantera are making plans during 2024 to produce a baseline set of data for Scope 3 emissions and to monitor ongoing emissions in this category with a view to implementing a reduction strategy in 2025. Understanding all the emissions associated with our business is the only way we can ensure Standards Beyond Expectation and sincerely work towards our business goal to be Net Zero by 2040.

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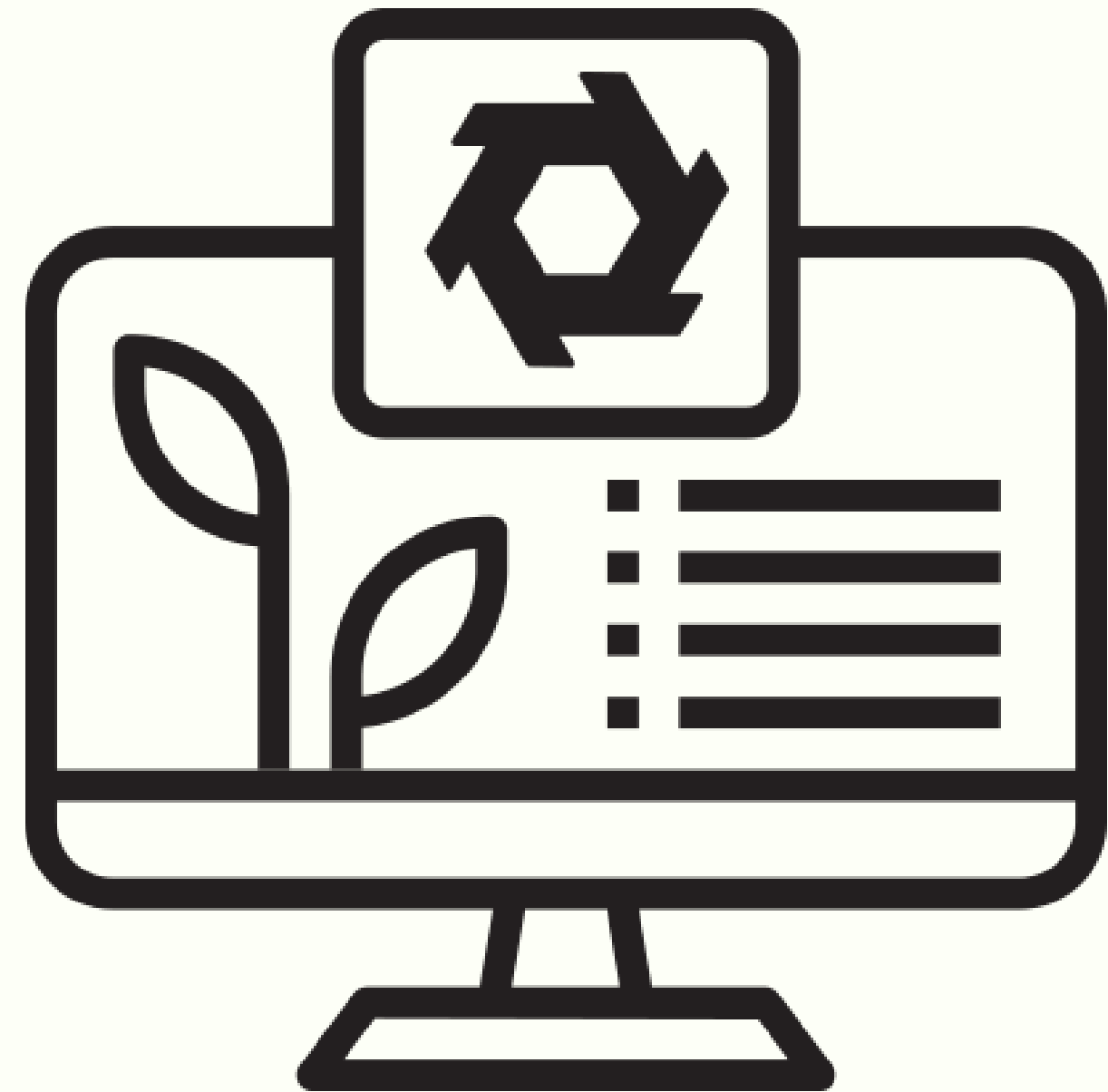
CONTROLLING OUR FUTURE

Pantera is fully committed to achieving a net zero impact on the environment as we advance in our business endeavors. This means acknowledging the risks that come with success. As we expand we will continue to purchase electricity through renewable energy contracts and avoid gas at all costs. As well as maintaining our emphasis on the upkeep of our air conditioning systems, optimizing their efficiency to reduce energy consumption and avoid emissions through leakages.

n alignment with our commitment to sustainability, we have also made the conscious effort to abstain from acquiring new diesel vehicles where possible, instead exploring eco-friendly alternatives to further mitigate our impact on the environment. Through these key principles, we strive to contribute to a more sustainable and greener future for all.

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NET ZERO
2040

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