

# PPN 06/21 Carbon Reduction Plan



Trojan Energy Limited.

April 2025



## Commitment to achieving Net Zero

Trojan Energy Limited is committed to achieving Net Zero emissions by 2045. This plan sets out our measures to ensure progress, including our carbon reduction aims. Reducing greenhouse gas (GHG) emissions is not just about our commitment to reduce the effects of climate change but it is also about identifying and achieving financial savings through improved efficiency. In turn this will increase our resilience and help to grow our business sustainably.

## Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

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| <b>Baseline Year: 2023</b>   |   |
| <b>Additional Details relating to the Baseline Emissions calculations.</b>   |   |
| 2023 was the company's first full year of emissions data reporting. This figure is based on a headcount of 66, two operational locations (Aberdeen HQ and London Workspace), and 459 charge points installed in 2023.<br><br>Note: These baseline emissions are specific to Trojan Energy's operations, and this figure includes reductions from initiatives implemented prior to reporting. |   |
| <b>Baseline year emissions:</b>  |   |
| <b>EMISSIONS</b>   | <b>TOTAL (tCO<sub>2</sub>e)</b>   |
| <b>Scope 1</b>   | 17  |
| <b>Scope 2</b>   | 44.2  |
| <b>Scope 3</b><br>(Included Sources)   | 46.3<br><br>At present, our scope 3 emissions categories are limited to water use, waste disposal, business travel (air only), and electricity (transmission & distribution losses).<br><br>For 2024, scope 3 will be expanded to include employee commuting, and upstream and downstream transportation. |
| <b>Total Emissions</b>   | <b>107.5</b>  |

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|---|---|
| <b>2024</b>   |   |
| <b>Additional Details relating to emissions calculations.</b>   |   |
| 2024 saw the introduction of additional scope 3 emissions sources. The scope 3 data in this table includes employee commuting, rail travel, hire car use, hotel stays, and air, land and sea logistics. |   |
| <b>2024 emissions:</b>  |   |
| <b>EMISSIONS</b>  | <b>TOTAL (tCO<sub>2</sub>e)</b>   |
| <b>Scope 1</b>  | 24.7  |
| <b>Scope 2</b>  | 87.1  |
| <b>Scope 3</b><br>(Included Sources)  | 156.9<br>Water use, waste disposal, business travel (air, rail, hotel stays, hire cars), electricity (transmission & distribution losses), employee commuting, air, land and sea logistics. |
| <b>Total Emissions</b>  | <b>268.7</b>  |



## Emissions reduction targets

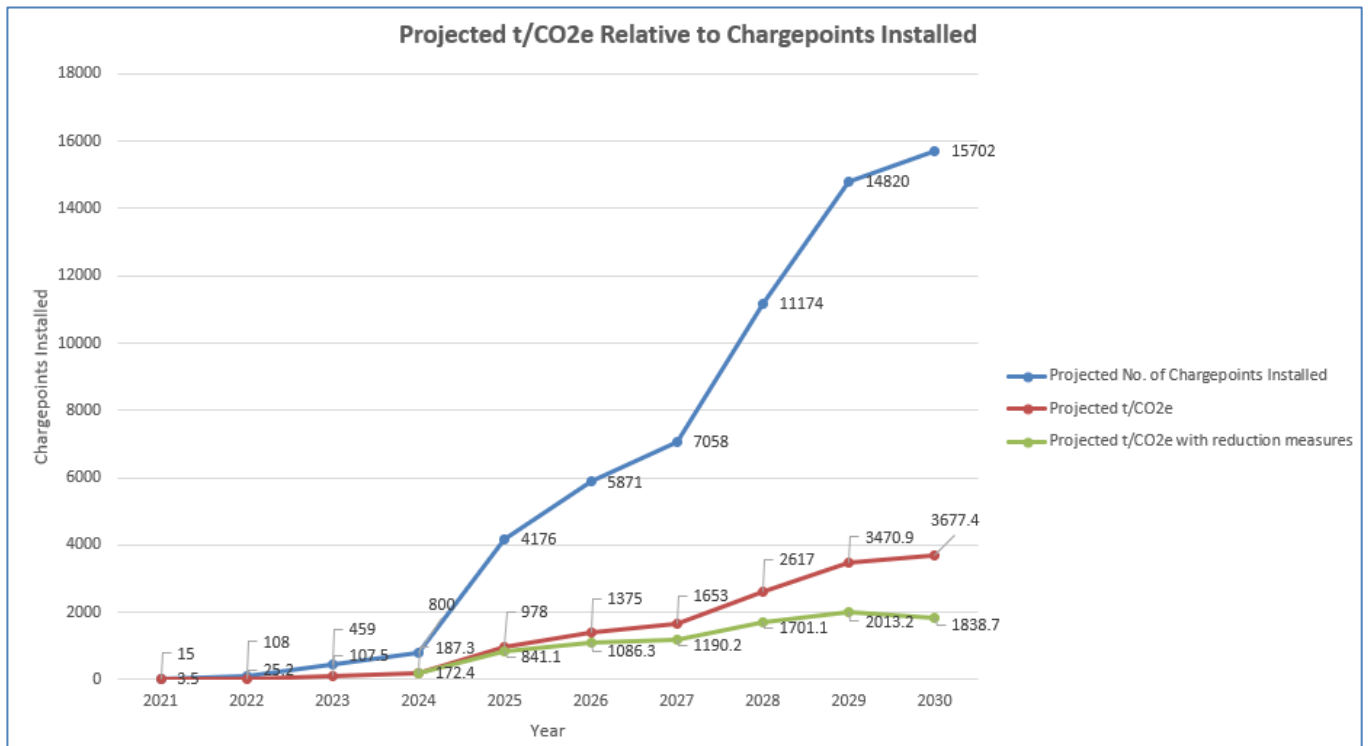
As part of our ongoing commitment to achieving Net Zero, Trojan Energy has established clear and measurable carbon reduction targets.

We have set a near-term target year of 2030, by which point we aim to reduce carbon emissions by 50%, relative to the number of charge points installed. Specifically, we project emissions will decrease to 1,838 tCO<sub>2</sub>e by 2030, based on our current trajectory and planned reduction initiatives.

With 2023 as our baseline reporting year, we anticipate a short-term increase in reported emissions in the coming years. This is primarily due to the rapid growth of our business and the increasing number of charge points being deployed annually. Additionally, as we expand the Scope 3 categories included in our emissions reporting, the total emissions figure will reflect a broader range of indirect impacts, further contributing to this initial rise.

Our overarching goal is to drive down the carbon intensity per charge point installed. This will be achieved through the implementation of targeted reduction measures outlined in our Carbon Management Plan. The graph below illustrates our projected emissions pathway, showing emissions per installed charge point over time. It reflects a 50% reduction by 2030, with continued downward momentum toward our Net Zero target by 2045.

Progress against these targets is represented in the accompanying graph. The red line indicates projected emissions without any reduction interventions, while the green line demonstrates the anticipated emissions trajectory when all planned mitigation measures are implemented.



Projected t/CO<sub>2</sub>e relative to chargepoints installed.

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures have been implemented during our baseline year of 2023. Therefore, the carbon emissions reduction achieved from these measures will be reported from 2024:

- Pledging a commitment to become a net-zero organisation.
- Development and publication of our environmental policy statement. This is aligned with ISO 14001 and outlines our commitment to responsible business practices to reduce our carbon footprint and protect the environment. This policy has been endorsed by the CEO and communicated to all staff and published on the company website.
- Commitment to work towards achieving ISO 14001 environmental management system certification.
- Commenced the reporting of Scope 1, 2 and 3 emissions data internally and externally.
- Introduced waste receptacles in office and workshop space for the recycling of various materials, including paper, plastics, batteries, electrical waste, hazardous waste etc. This has been supported with some educational material for staff and included in new start inductions.
- Ensuring our electricity supply is on a 100% renewable tariff.



In the future we intend to implement further measures such as:

- Upgrading facilities to low energy lighting where applicable.
- Ensuring suppliers are committed to carbon reduction.
- Gaining ISO 14001 certification.
- Implementing policies to manage and reduce non-essential business travel.
- Use of electric vehicles for business travel.
- Installation of EV chargers at business premises.
- Independent verification of our emissions data.
- Sustainable procurement of products and materials.
- Transition of company vehicle fleet to 100% Electric Vehicles.
- Reduction of single use materials in manufacturing.
- Localising our supply chain wherever possible.
- Monitoring CO2 emissions of our tier 1 suppliers.
- Utilising shipping companies with electric vehicle delivery fleets.

## Environmental Management Plans

We are currently undergoing an external certification process for ISO 9001. Following on from this our aim is to achieve an externally certified Environmental Management System to ISO 14001:2015. This EMS will apply to all Trojan Energy business activities.

## Scope 3 Emissions Categories

With 2023 being our first full year of emissions reporting, our scope 3 information was limited to the following categories:

**Waste Management** – detailed monthly reports are received from our waste management supplier which provides data on the waste based on metric tonnes as waste to energy, recycled etc. Our waste does not go to landfill.

**Business Travel** – this included air travel only, however we now capture emissions data from hotel stays and other modes of transport (rail travel etc.)

**Water Usage** – Water consumption data is provided by the landlord. As we occupy a shared facility, water consumption data is provided as an estimate based on area of occupied floor space within the facility. There is no sub-metering at present however this is something we will explore further to help improve the accuracy of data.



## Scope 3 Emissions – 2024 Onwards

From 2024, our Scope 3 emissions reporting was expanded to include the following categories:

**Business Travel** – now includes additional modes of transport such as rail travel and emissions associated with hotel stays and hired cars.

**Employee Commuting** – we issued a survey to all staff to allow us to calculate emissions from commuting using the distance-based method. This survey will be reissued annually.

**Upstream and downstream transportation** – this captures the emissions associated with transportation and logistics from tier 1 suppliers, and from logistics between Trojan facilities and installation sites.

## Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

### Signed on behalf of the Supplier:

Jason Hebenton, Head of QHSE.

Date: 11<sup>th</sup> April 2025

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<sup>1</sup> <https://ghgprotocol.org/corporate-standard>

<sup>2</sup> <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>3</sup> <https://ghgprotocol.org/standards/scope-3-standard>