

TRE Energy



Carbon Reduction Plan

PPN 06/21

Part of carbon footprint assessment in line with GHG
protocol and SBTi

2023



“Fully Committed to Net Zero By 2050 “

INTRODUCTION

To establish a clear direction and timeline we have engaged CarbonFit to review and audit our Carbon Footprint and assist in setting a clear path to Net Zero for Scope 1,2 and 3 by 2050 in line with PPN 06/21, SBTi and GHG Protocols.

CarbonFit have carried out an audit in accordance with ISO14064-1 for FY 2022

To commence the process, CarbonFit have reviewed our operations including energy and carbon usage and consumption throughout the buildings, processes, vehicles, travel, and employee commuting in line GHG Corporate Accounting and Reporting Standard and GHG Scope 3 standards.

For the purpose of this report, the baseline and last financial year have been reported. Emissions have been calculated using the Department for Business, Energy, and Industrial Strategy (BEIS) Conversion Factors for company reporting of GHG emissions.

TRE Energy can confirm we are fully committed to achieving Net Zero by 2050 or sooner.

This plan will be updated annually in line with our financial year end.

The next revision is due towards Q2 of 2024

TRE Energy

Working Northern Ireland and Ireland wide, TRE Energy are a long-established fully accredited renewable energy and solar panel solutions company that serve blue chip organisations as well as SMEs, agricultural and domestic clients. Established in 2007 as TC Renewables and rebranded to TRE Energy in 2021 when new investors joined the company, we have installed thousands of domestic solar solutions and commercial solar panels for leading businesses and public sector organisations, including NHS, Santander, Henderson Group, Macrete Ireland and Enterprise NI.



Experts in renewable technologies and solar power, TRE Energy specialise in the design, supply, installation and maintenance of Solar PV, Wind Power, Battery Storage Systems and Micro Grid Solutions. Our expertise is unparalleled, and the TRE Energy team have whole-project capability, taking projects from initial feasibility, through consenting and design and on to construction and commissioning.

Carbonfit

Carbonfit partners with organisation's and businesses to support them on their Net Zero Journey through 3 key phases footprint, improve and translate.

We are a team of chartered Engineers with over 60 years combined experience in the Energy and Carbon Sector. We have the knowledge, skills and expertise to meet carbon reporting and Net Zero requirements in line with GHG Protocol and SBTi.

Company Overview



As one of the first companies to design and deliver pioneering renewable energy solutions in Ireland, TRE Energy's level of expertise and experience is market leading and we have earned a strong reputation for our trusted advice and world-class solutions and delivery. TRE Energy continually raise and set standards for installations across the industry and our focus on quality and performance, ensures every project complete operates reliably and efficiently into the future. Customers can have peace of mind that they are working with a reputable and accredited partner who is financially strong and an expert in the field.

Strong partnerships with the biggest global renewable technology brands, coupled with many years' experience in sustainable solution design and delivery has enabled TRE Energy to consistently deliver strong financial savings and high performing renewable energy solutions to customers Ireland and UK wide. Speak with us today and plug into great savings. Let us help turn your project in to an asset that delivers financial savings and energy independence for many years to come.

BASE FINANCIAL YEAR

April 2021- March 2022

FINANCIAL YEAR REPORTING

April 2022 –March 2023

COMPANY TEAM

Tracy Dobbin
Manager
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John Adams
Managing Director
John.adams@treenergy.co.uk

Baseline Emissions: FY April 21- March 22

Scope 1,2 and 3 emissions as required by GHG Protocol are outlined below:

Scope 1

Primary Fuel Combustion (On-site)	0.00 tCO ₂ e
Machinery/Manufacturing Process	0.00 tCO ₂ e
Road Transport	33.89 tCO ₂ e
C1. Total Scope 1	33.89 tCO₂e

Scope 2

Electricity Consumed (Location Based)	1.79 tCO ₂ e
Electricity Consumed (Market Based/Onsite Generation/Renewable)	0 tCO ₂ e
C2. Total Scope 2	1.79 tCO₂e

Scope 3

Category 3: Fuel and Energy Related Activities	10.03 tCO ₂ e
Category 4: Upstream Transportation and Distribution	0.00 tCO ₂ e*
Category 5: Waste Generated in Operations	0.13 tCO ₂ e*
Category 6: Business Travel	1.13 tCO ₂ e*
Category 7: Employee Commuting	5.54 tCO ₂ e*
Category 9: Downstream Transportation and Distribution	0.00 tCO ₂ e
C3. Total Scope 3	16.83 tCO₂e

C4. Total Scope 1,2 & 3 Carbon Emissions	52.51 tCO₂e
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*Assumptions made in calculations where applicable

Financial Year Reporting Emissions: April 22– March 23

Scope 1

Primary Fuel Combustion (On-site)	0.00 tCO ₂ e
Machinery/Manufacturing Process	0.00 tCO ₂ e
Road Transport	7.70 tCO ₂ e
C1. Total Scope 1	7.70 tCO₂e

Scope 2

Electricity Consumed (Location Based)	0.66 tCO ₂ e
Electricity Consumed (Market Based/Onsite Generation/Renewable)	0.00 tCO ₂ e
C2. Total Scope 2	0.66 tCO₂e

Scope 3

Category 1: Purchased Goods & Services	TBC tCO ₂ e
Category 3: Fuel and Energy Related Activities	2.07 tCO ₂ e
Category 4: Upstream Transportation and Distribution	0.00 tCO ₂ e*
Category 5: Waste Generated in Operations	0.13 tCO ₂ e*
Category 6: Business Travel	1.13 tCO ₂ e*
Category 7: Employee Commuting	5.54 tCO ₂ e*
Category 9: Downstream Transportation and Distribution	0.00 tCO ₂ e
C3. Total Scope 3	8.87 tCO₂e
C4. Total Scope 1,2 & 3 Carbon Emissions	17.23 tCO₂e

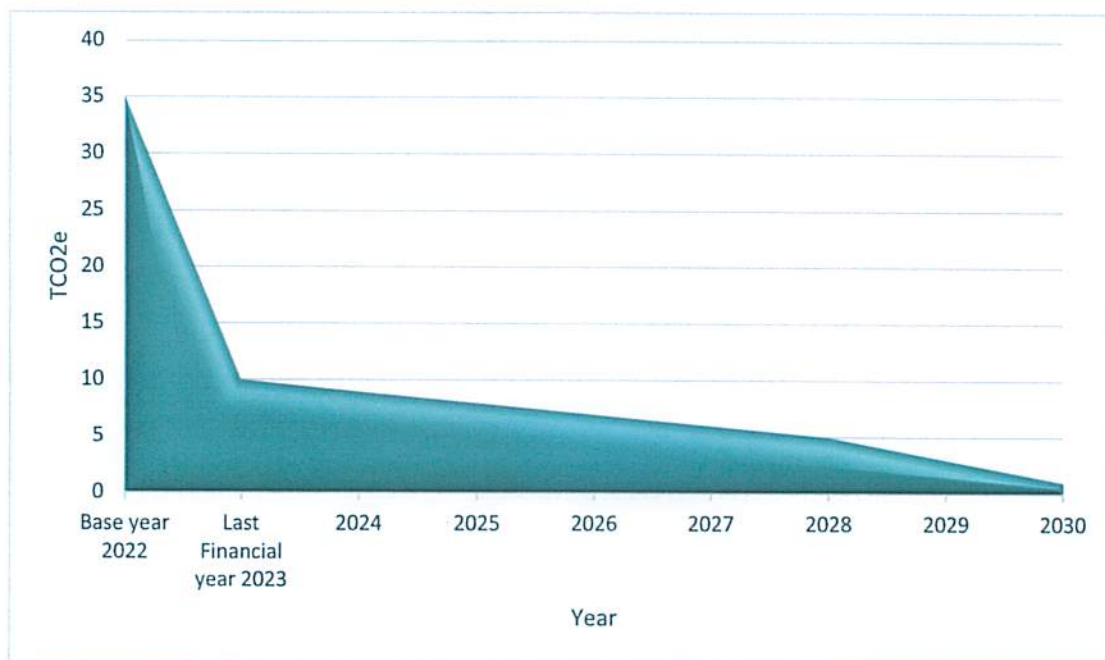
*Assumptions made in calculations where applicable

Emission Reduction Targets: Scope 1 and 2*

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets:

- Reduce Scope 1 emissions by 100% by 2030 with min reduction of 15% year on year
- Reduce Scope 2 emissions by 100% by 2030 with min reduction of 15% year on year

Scope 1 & 2 Net Zero Timeline Trajectory

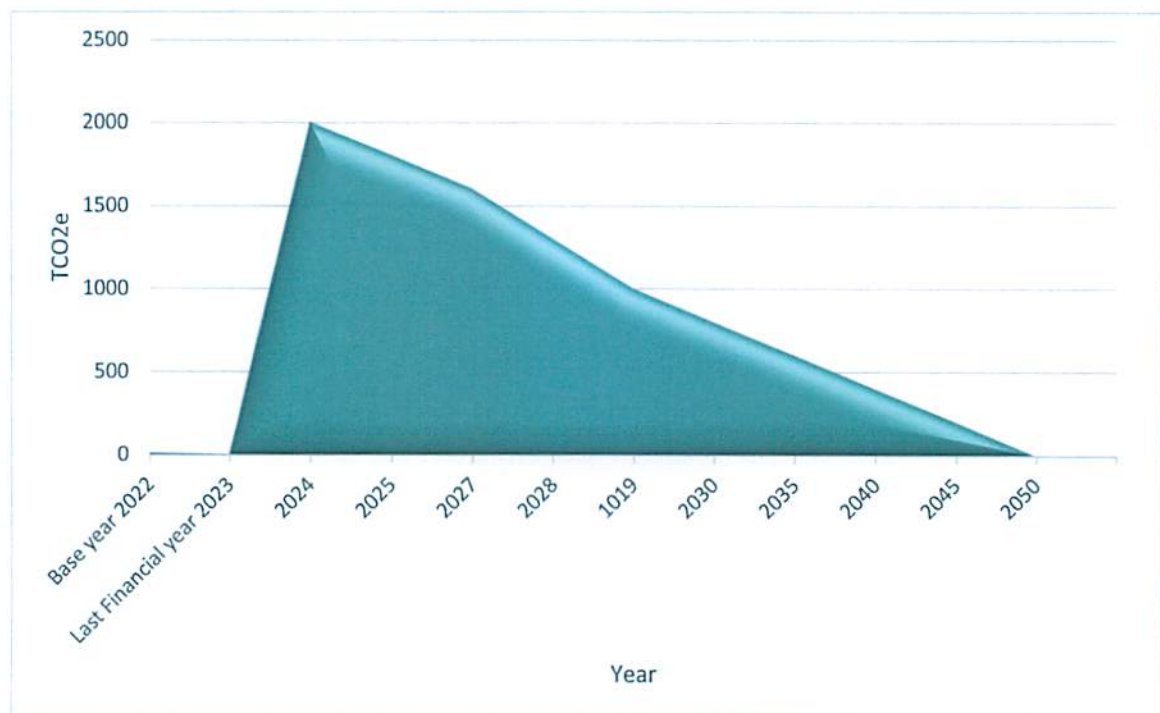


Emission Reduction Targets: Scope 3*

Scope 3 targets include:

- Complete a full scope 3 inventory and calculation in 2024
- Set Near and long term targets for reduction by 2025
- Reduce emissions by 100% by 2050

Scope 3 - Net Zero Timeline Trajectory



Carbon Initiatives completed to date

The following environmental management measures and projects have been completed or implemented since the Bae Year of (TBC) by TRE Energy.

- We will continue to work with CarbonFit Ltd to strategise a pathway to Net zero Carbon Emissions by 2050 for scope 1, 2 & 3.
- A "Green Team" has been set up by the company to promote and report on the sustainability initiatives and raise awareness on carbon reduction and update progress to the net zero road map.
- We have purchased a green supply electricity contract. Doing this has nullified our emissions associated with scope 2. This will be standard prerequisite to any renewal energy contracts.
- A policy has been created by which there will be no further purchasing/leasing of petrol or diesel vehicles and only hybrid and electric vehicles will be possible.
- We are committed to upgrade all our office equipment to 'A-rated' energy efficient appliances as and when required.
- As a company we provide our staff with an Eco Driver training course. Case studies carried out by the Energy Saving Trust conclude that eco-driver training provides 15% fuel savings on the day of training and 6% savings long term.

Future Projects

- The company is working closely with CarbonFit Ltd to strategise a pathway and road map to Net zero Carbon Emissions.
- It is the company's intention provide members of the board and senior management team a Carbon Literacy Training session which covers climate science, climate policy fundamentals, as well as carbon reporting and management requirements.
- We plan to conduct periodic energy audits to identify energy/carbon saving opportunities and areas of inefficiency within our estate.
- Investigation to the purchase of a green supply electricity contract. Doing this has nullify our emissions associated with scope 2. This will be standard prerequisite to any renewal energy contracts.
- Install smart metering systems across all buildings within the estate to monitor and control energy usage and highlight energy hotspots.
- The company will investigate the feasibility to install Battery Storage to store our renewably generated energy for night-time use operations and/or when insufficient weather patterns for the PV/wind turbines to operate.
- The company will develop a policy where applicable that new purchased vehicles will either be an Electric or Hybrid.
- There is commitment by the company to the integration of electric and hybrid vehicles, so we also plan to install EV charging points onsite for staff to use.
- We are committed to introducing a Waste Management Policy to help to minimise waste generation on site and facilitate repair, reuse, and recycling over the disposal of wastes, where it is cost effective.
- As a company we are considering implementing a policy that all vehicle hire will either be electric or hybrid vehicles only to lower our emissions associated with "Business Travel"
- As a company we are committed in using low emission flights and only airline companies that offset their CO2 to lower our emissions associated with "Business Travel"
- We plan to evaluate and incentivise staff to use other forms of transport such as electric/hydrogen bus, e-bike, e-scooter and bicycle to lower our emissions associated with "Employee Commuting."
- Where possible, consideration to implementing a more frequent working from home policy to reduce the impact of emissions associated with "Employee Commuting."
- It is the intention of the company to complete the validation process for a science-based target validated by the Science Based Targets initiative (SBTi) as aligning with limiting global warming to 1.5°C or <2°C.
- Once all other areas of carbon reduction have been exhausted, the company is committed to investing in voluntary carbon markets to allow offsetting our emissions by purchasing carbon credits by projects targeted at removing or reducing greenhouse gas from the atmosphere.

Declaration & 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 and used the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with GHG Protocol 14064-1, and a subset of Scope 3 emissions which are applicable to the organisation within the reporting year have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

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



Signed on behalf of the TRE Energy

John Adams

Managing Director

Signature:

A handwritten signature in blue ink, appearing to be 'John Adams', written over a light blue horizontal line.