

# Carbon Reduction Plan Template

Supplier name: ZPN Energy

Publication date: September 30th 2021

## Commitment to achieving Net Zero

ZPN Energy committed to achieving Net Zero emissions by 2030

## 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.

<b>Baseline Year: 2021</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
ZPN Energy has a commitment to our Carbon Reduction Plan within our scope of end-to-end energy solutions and associated products and services supplied. The CRP incorporates Energy Use, Waste generated in operations, Business Travel Employee Commuting, Transport shipping and distribution. A full database is available of specific information held by our organisation. Document Reference ZPN CRP Data L1.	
<b>Baseline year emissions: 2021</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>Tonnes Co2 0.25</b>
<b>Scope 2</b>	<b>Tonnes Co2 36.63</b>

<b>Scope 3</b> (Included Sources)	<b>Tonnes Co2</b> 41.53
<b>Total Emissions</b>	<b>Tonnes Co2</b> 78.41

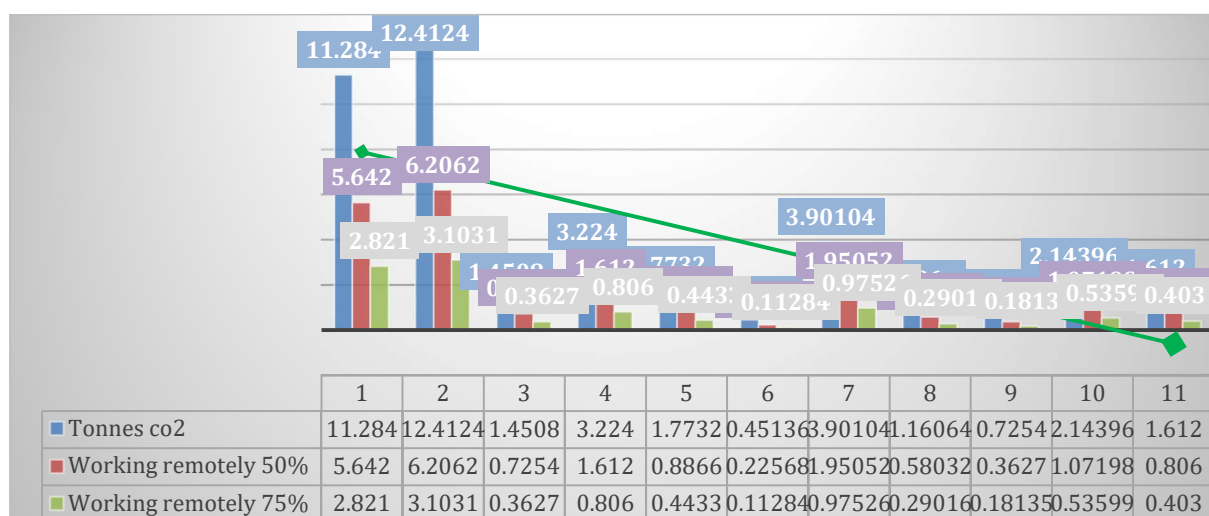
## Current Emissions Reporting

Reporting Year: Baseline 30 <sup>th</sup> September 2021	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e) 74.81</b>
<b>Scope 1</b>	Direct emissions from those activities owned or controlled by our organisation. Primarily energy use.
<b>Scope 2</b>	Indirect emissions or energy indirect emissions are those released into the atmosphere that are associated with ZPN Energy consumption of electricity.
<b>Scope 3 (Included Sources)</b>	Upstream transportation – shipping and distribution carbon emissions and other indirect emissions.
<b>Total Emissions</b>	<b>Tonnes Co2 74.81</b>

## Emissions reduction targets

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

We project that carbon emissions will decrease over the next year to 59.85 tCO<sub>2</sub>e by 2022. This is a reduction of 20%.



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The carbon emission reduction achieved by these schemes equate to 74.81 tCO<sub>2</sub>e, a 20%ge reduction against the 2021 baseline and the measures will be in effect when performing the contract

ZPN Energy product portfolio ensures uninterrupted green energy, enabling everyone globally to move towards a low carbon economy by reducing emissions and contributing to the Road to Zero. All products and solutions focus on developing and implementing scalable and efficient technologies to support the EV market growth, smart cities development, and governments' zero carbon targets

- ZPN Energy delivers clean end to end solutions that propel the use of self-reliant and sustainable solutions, removing strain and creating freedom from the grid
- ZPN Energy joined the SME Climate Hub in the Race To Zero as we advocate to do everything within our control to truly make a revolutionary difference for both our generation and future generations to come. We have the knowledge, expertise, and technology to win the fight against climate change and tackle the most significant challenge facing our generation.
- Within the workplace, ZPN Energy protect the environment by using multiple recycling bins
- In September 2021, ZPN Energy attended the Commercial Vehicle Show 2021 as an exhibitor. We adopted a green approach, whereby all resources and materials employed were not disposed of and will be utilised for events this includes, i.e. floor tiles, banner stands and graphics etc
- Encourage a green commute by installing a bike shed within the car park to encourage cycling to work
- Carpool when meetings are held off site
- 90% of meetings held online
- Increase the efficiency of office lighting, by using motion sensor lighting to ensure lights are automatically switched off if rooms are not in use
- 47% of the workforce work remotely, avoiding the day to day commute

### Products, Solutions and Services

- HEMS and BEMS
  - ZPN Energy has partnered with award-winning housebuilder and developer Larkfleet Group, investing in the future of house building by pioneering sustainable solutions with our chargers and building energy management system. This innovative approach means that we can continue to provide homes that meet the demands of present and future buyers by offering efficient and cost-effective solutions that don't compromise on quality.
  - The sophisticated energy management systems adopted within homes and commercial buildings enables residents to reduce their carbon footprint from the comfort of their home. through managing their energy consumption actively finding ways to reduce costs
- ZAP Me
  - ZAP Me provides a 100% clean energy solution, a truly revolutionary service for the EV mobility market. Delivering fast charging on the roadside in a case of emergency/breakdown across Britain

- HUBZ
  - HUBZ charging unit offers an extended battery life preserving the longevity of the stored battery. It ensures that users have access to an uninterrupted supply of green energy.
  - The Green ELMF Cables used in the HUBZ charging units generate very low magnetic fields. ELMF technology is based on EMF cancellation as opposed to protection. It opens the way to design a lighter and cheaper solution for the power distribution system.

#### **Awards**

- May 2021 - Corporate Vision Magazine has awarded ZPN Energy 2021's Leading Green Energy Infrastructure Solutions Provider UK as part of the 2021 Corporate Excellence Awards
- March 2021 - ZPN Energy was recognised by Auto Tech Outlook as one of the top 10 companies in the U.K. at the forefront of providing Electric and Hybrid Vehicle Technology solutions, transforming and revolutionising businesses
- Feb 2021 - Our CEO, Ian Stillie, recognised by Business Leader Magazine as an innovative and disruptive force in driving change and playing a pivotal role in leading the UK's green revolution

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

- Gain certification schemes ISO14001
- ZPN Energy will be installing x2 HUBZ charging units in the car park available for staff and visitors free of charge
- We are actively advising our suppliers to reduce packaging when shipping components to reduce the volume of packaging waste from our side
- We will continue to explore what materials and components we use to ensure we are bringing the cleanest solutions to the marketplace
- Replace fluorescent lights with LED lights
- In the kitchen area we plan to replace the regularly used kettle with an instant water heater for making tea and coffee, this will save water and electricity.
- Reduce the amount of printing required and use recycled paper for printing documents internally when necessary
- Explore the role of battery recycling in the circular economy

## 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:

IAN STILLIE

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Date: .....30/09/2021.....

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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>