

Carbon Reduction Plan



Supplier name: Next Energy Solutions

Publication date: January 2024

Commitment to achieving Net Zero

Next Energy Solutions is committed to achieving Net Zero emissions **by 2030**.

We are a rapidly growing business transitioning from SME to large organisation (targeted to turnover £75m by year-end 2023/24) and as such have made significant investment into our business operation and sustainability plans. We are targeted to be carbon neutral by 2027 and Net Zero by 2030 as part of our newly launched strategy (November 2023), this will be further refined once baseline measurements are finalised (by Q3 2024). Initiatives include:

- NEW Procurement Manager (rolling our Sustainable Procurement Plan)
- NEW Compliance Manager (Responsible for environment)
- NEW Energy Supplier (sourcing only renewable energy & enabling carbon offsetting)
- NEW (Sustainability School) Carbon Calculator (to accurately calculate baseline emissions)
- NEW Head Office (with the latest in sustainable technologies)
- NEW Fleet Provider (with a focus on going electric)
- Pending ISO14001 certification (March 2024)

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.

Baseline Year: 2022
Additional Details relating to the Baseline Emissions calculations.
Next Energy has not previously assessed or reported emissions, 2022 is therefore our Baseline. We have used the HM Government Environmental Reporting Guidelines to calculate our emissions. Emission related to energy, waste and transport have been calculated using the best available usage data. Emissions have been grouped according to the GHG Protocol Corporate Accounting and Reporting Standard Calculator. We are in the process of getting our scope 1 and 2 emissions were externally verified. Data for scope 3 emissions was not fully available, but we have made estimates based upon sample projects/averages and are increasing our waste reporting facilities in 2024 leveraging relationships with engaged suppliers who are now targeted to supply detailed waste management reports per contract.

Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	316
Scope 2	3
Scope 3 (Included Sources)	91 Source: Waste
Total Emissions	410

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	TBC
Scope 2	TBC
Scope 3 (Included Sources)	TBC
Total Emissions	TBC

Emissions reduction targets

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

Next Energy Solutions aims to be carbon neutral by 2027 and Net Zero by 2030. In order to progress towards this, over the next 4 years we are adopting the following reduction targets against the baseline year and will adjust as necessary:

- 🌱 We will reduce emissions from travel (including grey fleet and hired vehicles) by 30%.
- 🌱 We will reduce total emissions from energy use at branch offices by 30%.
- 🌱 We will promote the circular economy, identify waste by activity streams and reduce total construction waste by 45%.
- 🌱 We will reduce office paper usage by 60%

We project that carbon emissions will decrease over the next five years to 100 tCO₂e by 2030. This is a reduction of 75.6%. Our business is projected to continue in its rate of growth over the next five years, and so the scale of our operation and associated scope 1 & 2 emissions will increase. It is our current plan to achieve net zero by 2030 by implementing targeted reduction strategies and by offsetting our emissions as we grow.

Carbon Reduction: Projected vs Actual

TBC when 2023 statistics published.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

We are introducing policies and initiatives to help us reduce our transport costs, mileage and emissions. These include encouraging opportunities for homeworking and enhancing our suite of IT tools to enable this which was expedited due to Covid but has been maintained via further hybrid working policies. Fleet vans are speed limited and we continue to increase the number of Euro 6 compliant vehicles within the fleet and introduce hybrid vans. Sustainable travel planning has been implemented via work scheduling software and we continue to invest in our staff to ensure we have a high number of multi-trade workers which helps reduce the number of repeat trades person visits and thus mileage.

We have launched environmental awareness training to all Next Energy Solutions colleagues to ensure a standard level of knowledge in which to grow initiatives and increase staff energy awareness to reduce energy consumption etc.

We have adopted green energy tariffs across each of our offices (where we are responsible for energy procurement) as well as completed LED lighting upgrades. We have also modified the Building Management Systems, where present, to achieve energy savings e.g. reducing server air conditioning temperatures.

We have removed bottled water facilities in offices where alternative fresh water sources is available and ensure the Waste Hierarchy is implemented across our premises (reduce, reuse, recycle, energy recovery, dispose).

In the future we hope to implement further measures which are likely to include:

- 🌱 Externally verify baseline scope 1 & 2 emissions by Q3 2024, including emissions reporting in CO₂e for the six greenhouse gases covered by the Kyoto Protocol4

- 🌱 Further develop our sustainable travel strategy. This will include electrification of the fleet, benchmarking of telematics providers (e.g. Lightfoot), and implementing a new car benefit scheme which incentivises selection of ultra-low carbon emissions vehicles.
- 🌱 Increase the provision of electric vehicle charging infrastructure across our offices.
- 🌱 Increase the use of smart energy meters in our offices.
- 🌱 Create an approved list of carbon offsetting projects to invest in via a rigorous assessment to ensure that they achieve measurable and permanent reductions in emissions.
- 🌱 Improve water metering and efficiency.
- 🌱 Moving towards externally verified carbon emissions data in order to substantiate the quantity of carbon credits required for purchase to offset our emissions, in-line with our commitment to be a carbon neutral business.
- 🌱 Promote active and sustainable travel through our cycle scheme, considering how staff can be offered flexibility in their working patterns and supported to choose sustainable methods of transport for their commute.
- 🌱 Increasing the use of cloud storage and decommissioning local IT infrastructure.
- 🌱 Reducing paper usage through implementation of electronic document management systems.
- 🌱 Enhancing our work with our supply chain partners to reduce their emissions (our scope 3 emissions).

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with the Cabinet Office Action Note PPN 06/21 and associated guidance.

This Carbon Reduction Plan has been reviewed and signed off by the COO on behalf of the board of directors.

Signed on behalf of Next Energy Solutions Ltd:



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Michael Madigan, Managing Director