



Carbon Reduction Plan

In compliance with PPN 06/21

Published 1 April 2024

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Commitment to achieving net zero

char.gy is committed to achieving net zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the Greenhouse Gases (GHG) 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: financial year ended 31 March 2024

Additional details relating to the baseline emissions calculations.

Our baseline figures include full Scope 1 and 2 and partial Scope 3 emissions (categories 3-7, 9 and 11) and follow the operational control approach. Calculation methodologies are as follows:

- Scope 1: no fuel used in char.gy buildings or fleet; reported as nil
- Scope 2: electricity from owned or leased buildings and vehicles, calculated from activity data (e.g. utility bills) or, where unavailable, calculation uses spend data (e.g. EV charging costs) and extrapolations (e.g. where the latest month's utility bill is not yet available)
- Scope 3 category 3: emissions from generation, transmission and distribution of electricity reported under Scope 2
- Scope 3 category 4: estimation calculated from information provided by a sample group of suppliers for transported goods and extrapolated to cover all transported goods.
- Scope 3 category 5 and 7: calculated from actual activity data (water utility bills), estimated activity data (waste) and employee surveys (commuting and homeworking)
- Scope 3 category 6: calculated from activity data where known distance travelled (e.g. air, rail, mileage), spend data where unknown (e.g. taxis)
- Scope 3 category 9 and 11: downstream goods are transported in fleet EVs (recorded in Scope 2); sold product uses 100% renewable energy, backed by Guarantees of Origin

Emissions are reported on a market basis (meaning that emissions are recorded as nil for 100% renewable electricity). Equivalent Scope 2 emissions on a location basis (attributing UK grid emissions factors) are: *Electricity used in buildings: 5.8tCO₂e; Electricity used in fleet EVs: 6.8tCO₂e.*

BASELINE YEAR EMISSIONS:		
EMISSIONS	TOTAL (tCO ₂ e)	
Scope 1	-	
Scope 2	8.8	
	Scope 2 Categorisation	tCO ₂ e
	Electricity used in buildings	4.8
	Electricity used in fleet EVs	4.0
Scope 3 (Included sources)	83.6	
	Scope 3 Categorisation	tCO ₂ e
	3: Fuel & energy activities not in scope 1 or 2	2.1
	4: Upstream transportation & distribution	16.6
	5: Water and waste	0.7
	6: Business travel	25.0
	7: Employee commuting and homeworking	37.9
	9: Downstream transportation & distribution	1.3
	11: Use of sold products	-
Total Emissions	92.4	

Current Emissions Reporting

The current year is the baseline year – current emissions reporting will be included from 2024/5.

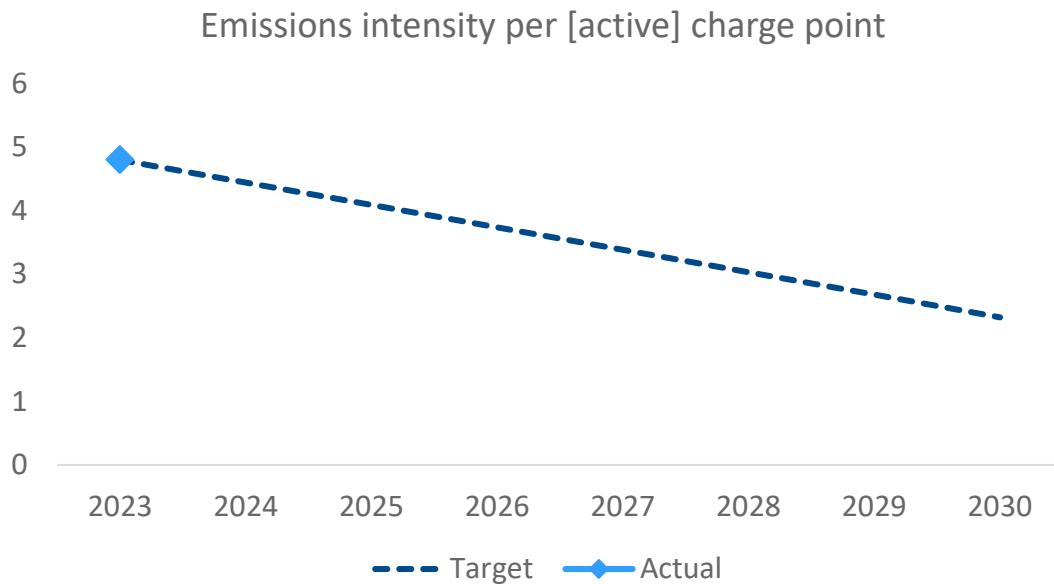
Emissions Reduction Targets

char.gy will be deploying growing numbers of charge points as it aids the UK's transition to low-carbon transportation and enables more drivers, particularly those without off-street parking, to reduce their carbon footprint by switching to EVs. This means its baseline emissions will increase and char.gy has therefore chosen to set intensity-based emissions reduction targets. This will require char.gy to actively reduce the emissions associated with each charge point it produces and deploys.

char.gy has set interim targets in line with the latest science for a 1.5°C pathway, following guidance from SME Climate Hub and Science Based Targets initiative. It is targeting a reduction in emissions intensity per active charge point of 51.6% by 2030, from baseline year 2023. This target includes scope 1, 2 and 3 emissions. As measurement of scope 3 emissions is refined and further categories assessed,

adjustments will be made as required to baselines to ensure all material categories of emissions are incorporated in char.gy’s targets.

Emissions intensity for 2023 (baseline year) was 0.032 tCO₂e per active charge point, calculated as total emissions of 92.4 tCO₂e over 3000 active charge points.



Carbon Reduction Initiatives

The following environmental management measures have been (or will imminently be) implemented:

- ISO14001 Environmental Management certification
- B Corporation™ assessment (submitted [April 2024] and awaiting verification process)
- SME Climate Hub commitment, which includes joining the United Nations Race to Net Zero
- Supplier engagement to begin estimating emissions for purchased goods and services
- Monthly tracking of business travel activity by mode of transport

These initiatives do not directly contribute to measurable reductions in emissions but lay the foundations for effective measurement, best practice, and action. In future, we hope to implement further measures such as:

- Switching electricity supply in our Coventry factory to a renewable energy tariff
- Reduction in business travel emissions per FTE through encouragement of low-carbon options
- Minimising fleet EV travel and mileage claims through training and hiring people local to new charge point sites to instal and maintain the infrastructure
- Working with suppliers to optimise transportation of goods (upstream and bulk downstream activity) and use low-carbon transport options wherever possible
- Improved monitoring of waste and recycling activity to monitor progress towards zero waste to landfill targets

- Build understanding of product-level emissions to enable targeted reduction actions, in collaboration with suppliers
- Provide information and tools to staff to help them understand their personal carbon footprint and take action to reduce (e.g. switching to renewable electricity tariffs, making use of available public grants to improve home energy efficiency, choosing low-carbon commuting options etc.)

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 standard¹ and use the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the Board of Directors.

Signed on behalf of char.gy:



John Lewis, CEO

Date: 1st April 2024

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

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

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