

Carbon Reduction Plan

Supplier name: Joju Ltd (trading names: Joju Solar & Joju Charging)

Publication date: June 2024

Commitment to achieving Net Zero

We commit to reaching Net Zero GHG emissions across our scope 1, 2 and 3 emissions by 2040 from a 2022/23 baseline year and Net Zero across scope 1 & 2 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.

Baseline Year: FY 2022/23	
Additional Details relating to the Baseline Emissions calculations.	
This is our first corporate carbon footprint with no historic emissions record pre-FY 2022/23. The calculations were completed internally by Joju following the guidelines of the GHG Protocol. Scope 2 figures were calculating using the Location-Based approach. Additional scope 3 calculations will be undertaken this year covering Categories 4 and 5. Category 9 is not relevant to Joju Solar and has been excluded from our reporting boundary.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	76.15
Scope 2	25.12
Scope 3	Total scope 3: 29.44

(Included Sources)	<p>C4. Upstream transportation and logistics: to be calculated in 2024</p> <p>C5. Operational Waste: to be calculated in 2024</p> <p>C6. Business travel: 17.36</p> <p>C7. Employee commuting: 12.08</p> <p>C9. Downstream transportation and logistics: not relevant, not calculated</p>
Total Emissions	130.71

Current Emissions Reporting

Reporting Year: FY 2022/23	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	76.15
Scope 2	25.12
<p>Scope 3 (Included Sources)</p>	<p>Total scope 3: 29.44</p> <p>C4. Upstream transportation and logistics: to be calculated in 2024</p> <p>C5. Operational Waste: to be calculated in 2024</p> <p>C6. Business travel: 17.36</p> <p>C7. Employee commuting: 12.08</p> <p>C9. Downstream transportation and logistics: not relevant, not calculated</p>
Total Emissions	130.71

Emissions reduction targets

SBTi Guidance stipulates that for an organisation to be considered net-zero it must:

1. Reduce all absolute emissions across scopes 1,2 and 3 by 90% or more by 2050; and
2. Neutralise residual emissions after achieving its long-term target of cutting emissions by more than 90% by using permanent carbon removal and storage to counterbalance the final 10% or more of residual emissions that cannot be eliminated.

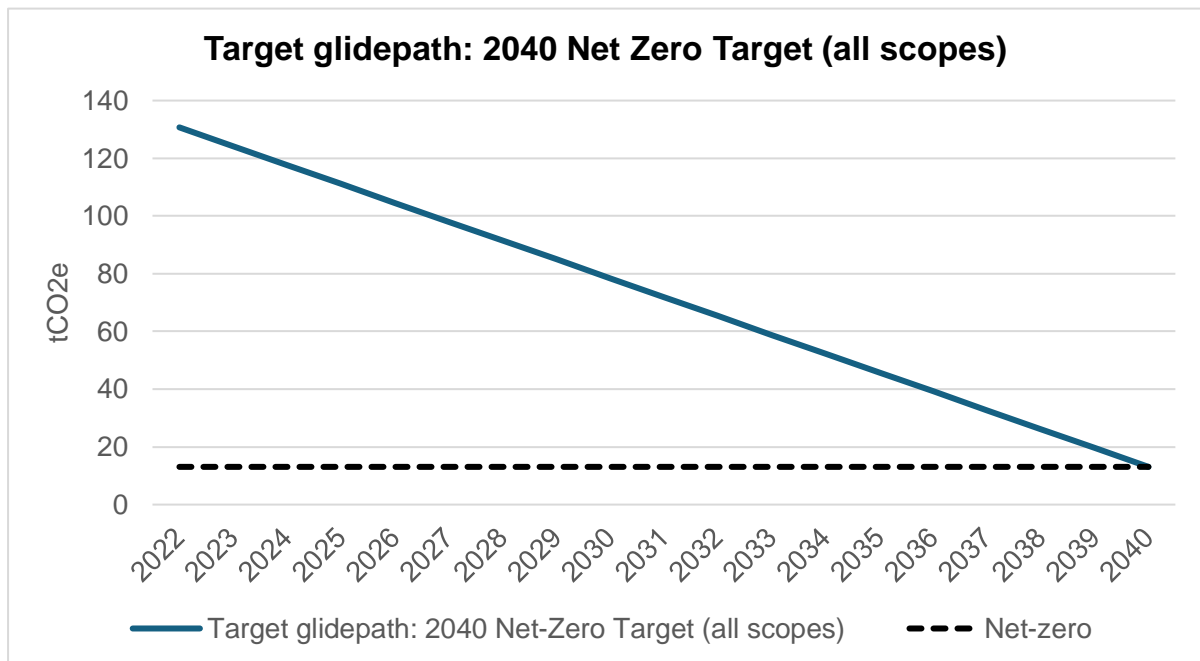
A company is only considered to have reached net-zero when it has achieved its long-term science-based target and neutralised any residual emissions.

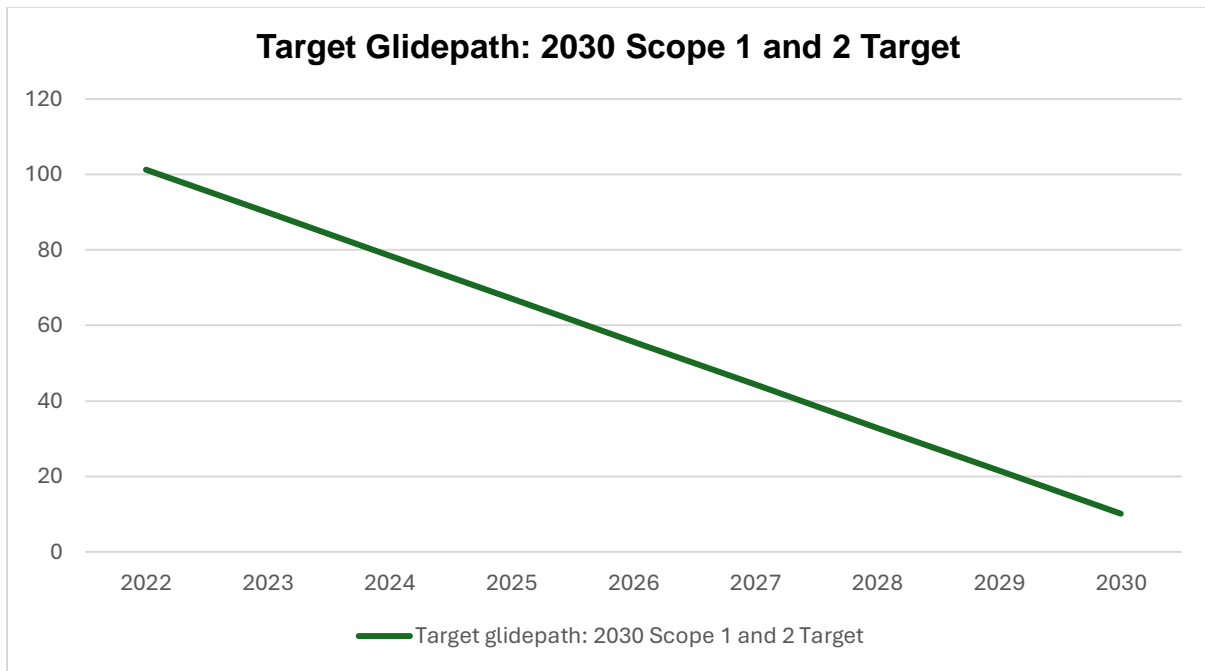
We commit to reaching Net Zero GHG emissions across our scope 1, 2 and 3 emissions by 2040 from a 2022/23 baseline year in line with the guidance of the Science Based Targets Initiative. This commits us to reducing scope 1, 2 and 3 emissions by 90% by 2040 with all residual emissions removed by the target date.

In addition, we commit to reducing absolute scope 1 and 2 GHG emissions by 90% by 2030 from a 2022/23 baseline year.

2022/23 is our first-year monitoring carbon emissions for our full value chain, and we do not yet have historical progress to report.

Our proposed target glidepaths for Net Zero (all scopes) by 2040 and Net Zero (scopes 1 & 2) are shown below:





Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Our baseline emissions footprint was calculated in 2022/23. We therefore do not yet have progress to report.

The following environmental measures are already in place at Joju and will be in effect when performing the contract:

- We have obtained ISO 14001 accreditation to help us to reduce our environmental impact.
- Joju's offices in Sheffield and Oxford, and our warehouse in Somerset, are on 100% renewable energy tariffs.
- We have installed solar PV on our office in Oxford and our former office in London, and are looking to do the same on our office in Sheffield.
- We incorporate carbon reduction criteria into our procurement process, including in Pre-Qualification Questionnaires (PQQs).
- We have prioritised the adoption of electric vehicles (EVs) for all future vehicle purchases (95% of our company cars are EV as of 2022/23).
- Employees are encouraged to consider EVs for their personal transportation needs with a competitive EV salary sacrifice benefit.
- We offer full reimbursement of EV charging for company vehicles for private and personal use to encourage their use.

- We incentivise cycling by offering a mileage reimbursement rate per mile for work related travel.
- When organising large events Joju actively seeks venues where there are good rail links to encourage the use of public transport over personal cars.
- As an installer of solar power, we encourage behavioural changes and foster a culture of sustainability within the organisation. This includes energy saving recommendations and highlighting the use of renewable energy tariffs.
- We work with PV CYCLE, a collective take-back and recycling scheme for PV panels, providing compliance services under WEEE regulations.

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

- By 2026, we aim to electrify all our company-owned cars. To support the transition to EVs, by 2030, we will install free charging stations for staff at their homes.
- In addition, we will set ambitious targets to transition our van fleet to low-emission vehicles by 2030. This will involve procuring electric vans and phasing out diesel vehicles. We will collaborate with our vehicle providers and explore incentives to facilitate this transition.
- Improving the energy efficiency of our offices and warehouse, working with our landlords where required
- Supporting our homeworking staff to reduce their energy related emissions, including encouraging the use of certified renewable electricity tariffs
- Reducing the use of single use plastics and waste from our offices and warehouse
- Continuing to work with PV CYCLE to support product take-back and recycling, while exploring new opportunities to increase the circularity and reusability of our products
- Improving the material efficiency of the products we install, working with our suppliers to reduce the emissions from product manufacture and maintenance
- Developing a scope 3 Supplier Engagement Target aligned to SBTi guidance to influence decarbonisation efforts within Joju's supply chain
- Continuing to give preference to suppliers and subcontractors with strong environmental credentials and a commitment to carbon reduction (e.g. ISO 14001)

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 uses 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 (or equivalent management body).

Signed on behalf of the Supplier:



Joe Michaels, Chief Executive, Joju Ltd

Date: 19 June 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>