

Carbon Reduction Plan

Supplier name: Sheppard Robson Architects LLP

Publication date: 05 July 2023

Commitment to achieving Net Zero

Sheppard Robson Architects LLP is committed to achieving net zero emissions by 2050.

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: 2021/22
Additional Details relating to the Baseline Emissions calculations.
<p>Sheppard Robson have been measuring and reporting operational carbon emissions (CO₂e) from energy consumption (scope 1, 2 with some scope 3) since 2008/09.</p> <p>For the purposes of this Carbon Reduction Plan, we have elected to re-baseline to 2021/22 due to a significant improvement in the quality and scope of Scope 3 emissions reporting in that year.</p> <p>We are not able to provide Upstream or Downstream Transport and Distribution emissions at present as these are not currently considered material due to the nature and scale of our business, and therefore this data is not available at this time. However, we recognise the importance of supply chain engagement, and therefore we have a robust Sustainable and Ethical Procurement Policy in place.</p> <p>We will continue to monitor the relevance of these scopes and availability of this data on an ongoing basis, and seek to include it in the future where possible.</p> <p>Location-based method - reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data).</p> <p>Market-based method - reflects emissions from electricity that companies have purposefully chosen, for example, a green tariff.</p>

Baseline year emissions: 2021/22		
EMISSIONS	TOTAL (tCO ₂ e)	
	Location based	Market based
Scope 1	33.27	33.27
Scope 2	120.41	1.98
Scope 3 *		
Electricity Transmission + Distribution	10.66	0.20
Well to Tank	67.22	33.73
Business Travel (incl. hotel stays)	45.42	45.42
Waste + Recycling	1.02	1.02
Water Supply + Treatment	0.50	0.50
Employee Commuting	79.21	79.21
Total Emissions	357.71	195.33

Current Emissions Reporting

Reporting Year: 2021/22		
EMISSIONS	TOTAL (tCO ₂ e)	
	Location based	Market based
Scope 1	33.27	33.27
Scope 2	120.41	1.98
Scope 3 *		
Electricity Transmission + Distribution	10.66	0.20
Well to Tank	67.22	33.73
Business Travel (incl. hotel stays)	45.42	45.42
Waste + Recycling	1.02	1.02

Water Supply + Treatment	0.50	0.50
Employee Commuting	79.21	79.21
Total Emissions	357.71	195.33

* Upstream and Downstream Transport and Distribution have not been included as these were not considered material due to the nature and scale of our business.

Emissions reduction targets

As energy efficiency is a key part of the net zero challenge, we are monitoring progress of emission reduction measures using both the location-based carbon emissions, as well as the market-based carbon emissions.

We have also elected to base our emission reduction targets on location-based emissions to prioritise energy efficiency, as we already procure the majority of our energy sources through green tariffs. More information on our plans to increase our procurement of energy through green tariffs for our offices can be found in the next section of this Carbon Reduction Plan.

In order to continue our progress to achieving net zero, we have adopted the following carbon reduction targets. We project that location-based carbon emissions for reported scopes 1, 2 and 3 will decrease over the next five years to approximately **300tCO₂e** by 2027. This is a reduction of **16%** from the 2021/22 baseline year. This takes into account carbon reduction projects listed below and UK government intentions to decarbonise the electricity system.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

For the purposes of this Carbon Reduction Plan, we have elected to re-baseline due to a significant improvement in the quality and scope of Scope 3 reporting in 2021/22. Prior to this, the business had a 2008/09 baseline for measuring Scope 1, Scope 2 and energy related Scope 3.

Since 2008/09, the following environmental management measures and projects have been completed or implemented:

- BS EN ISO 9001:2015 + 14001:2015 certification.
- Electricity for 77 Parkway (London), Manchester and Glasgow offices is procured on green tariffs.
- Gas for Glasgow office is procured on a green tariff.
- In 2017-2018, the London office underwent a refurbishment which saw the following improvements:
 - o New 93% efficient boiler installed.
 - o Sub metering installed.
 - o All HVAC replaced.
 - o An extension which is highly insulated and airtight.
 - o New LED lighting installed.
 - o Water efficient fittings to WCs and showers.
- Update to Sustainable Travel Policy to strengthen objectives related to business travel and avoid flights wherever feasible.

The location-based carbon emission reductions (energy sources) achieved by these schemes equate to 268.76 tCO₂e, a 61.25% reduction against the 2008/09 baseline, and these measures will be in effect when performing the contract.

Market-based carbon emission (energy sources) have seen a significant reduction since 2008/09 energy sources baseline, due to the procurement of green tariff electricity for the majority of our office spaces.

Future Carbon Reduction Initiatives

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

- Upgrade heating system controls to radiators in London office to smart controls.
- Upgrade remaining lighting to LED in London office.
- Optimisation of server room cooling in all three offices.
- Replacement of water heaters in London office that are at end of life.
- Continue to promote sustainable resource use in the offices, including minimising waste wherever possible.
- Launch a behaviour change campaign to encourage energy saving in the offices.
- Continue to encourage sustainable transport alternatives for employee commuting.
- Procure 100% renewable electricity for all offices.
- London office gas supply to move to a green gas tariff.

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:



R. A. SHINKLER

Date: 29/6/23

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>