



Carbon Reduction Plan 2023/2024

Redcentric Solutions Ltd

30 Aug 2024

redcentric

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Commitment to achieving Net Zero

Redcentric Solutions Ltd 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: FY2021/22
Additional Details relating to the Baseline Emissions calculations.
<p>Scope 3 emissions had not previously been reported and the first year they were captured for SECR reporting, the data used was based on mileage only.</p> <p>For this baseline year, the full data set has been captured,</p> <p>Scopes 1 and 2, consumption and CO₂e emissions data was calculated in line with the 2019 UK Government environmental reporting guidance. Emissions Factor Database 2021 version 1 was used, utilising the published kWh gross calorific value (CV) and KgCO₂e emissions factors relevant for reporting period 1/4/21 to 31/3/22</p> <p>Although Redcentric purchase renewable electricity for all facilities, and therefore scope 2 emissions would be classed as zero under a market-based approach, we are using a location-based approach to allow year on year monitoring of our usage.</p> <p>For scope 3 we utilised the Greenhouse Gas Protocol Corporate Value Chain accounting and Reporting Standards as a result of undertaking a thorough data collection. In total, 9 out of the 15 scope 3 categories were applicable to Redcentric.</p>

Baseline Year emissions: FY2021/22	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	23.270
Scope 2	4016.50 (location-based approach)
Scope 3 (Included Sources)	50.86 Data sources for this total as listed below; Purchased goods and services (capital goods) Fuel-related emissions Upstream transportation and distribution Waste generated in operations Business travel Employee commuting

Baseline Year emissions: FY2021/22	
EMISSIONS	TOTAL (tCO ₂ e)
	Use of sold products End of life treatment of sold products
Total Emissions	4,090.63

FY 2022/2023 Emissions Reporting

Reporting Year: FY2022/23	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	191.40
Scope 2	10,055.40 (Location based approach that now includes all newly acquired DC sites, accounting for the increase) 12,974.92*
Scope 3 (Included Sources)	88.94 49.14* * Intensity scope 2 & 3 metrics figures were restated due to data improvements and widening of scope cover This figure shows emissions resulting from sources not directly owned by Redcentric. This relates to grey fleet (business travel undertaken in employee-owned vehicles) only at this time. ** Due to the complexity of the scope 3 categories data collection, as a result of additional DC sites, the full data set figures are not available until the end of QTR 2 FY2023/24)
Total Emissions	13,215.46

Current Emissions Reporting

Reporting Year: FY2023/24	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	48.27

Reporting Year: FY2023/24	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 2	18,547.46
Scope 3 (Included Sources)	81.02
Total Emissions	18,676.75

Emissions Reduction Strategy and Measures

Whilst Redcentric submits environmental performance in the Streamlined Energy and Carbon Reporting (SECR), Energy Savings Opportunity Scheme (ESOS) and Task Force on Climate-Related Financial Disclosures (TCFD), all of which are legal requirements, we also voluntarily report into CDP (formerly Carbon Disclosure Project) that runs the global environmental disclosure system and have registered with the Science Based Target initiative (SBTi), an organisation designed to enable companies set GHG emission reduction targets to reach net-zero by 2050 at the latest.

In order to meet the objectives for the focussed scope of the ISO14001 EMS, measurements, improvement tasks, resources needed and metric indicators have been defined and are reviewed on a quarterly basis for the identified significant aspects;

Energy Consumption – measured using energy invoices, with power usage efficiency monitored across all data centre sites.

Waste Management – reports on WEEE waste, general waste and recycling monitored on a quarterly basis

Business Travel – monitored on a quarterly basis

Use of office consumables – monitored on a quarterly basis

Annual improvement targets are agreed and actions to achieve defined.

For the SECR reporting, published in Redcentric Annual Report, available on the website; www.redcentricplc.com, following the World Resources Institute's Greenhouse Gas (GHG) Protocol, emissions are measured across scope 1, 2 and 3, as defined below;

Scope 1: Direct emissions from owned or controlled sources such as fuel (both generator and owned vehicle fuel usage)

Scope 2: Indirect emissions from the generation of purchased electricity consumed by Redcentric

Scope 3: Indirect emissions from activities such as business travel, employee commuting, and supply chain activities (under the Net-Zero Strategy Report, Redcentric have reported on 8 of the 15 scope 3 categories)

Using the TCFD framework has enabled Redcentric to identify and address climate related risks and opportunities, utilising three climate change scenarios; Proactive = Below 2% by 2100, Reactive = 2-3% by 2100, Inactive = Above 3% by 2100.

Three timeframes aligned with the government's net-zero target, as recommended by the TCFD, have been used to model the three scenarios above;

Short term = 2020 – 2025

Medium Term = 2025 – 2035

Long Term = 2035 – 2050

Redcentric has identified the Group's climate related transitional risk measurement by detailing the risk area, the potential risk and using the above warming scenarios and timeframes, calculated the impact score.

Under ESOS Reporting, Redcentric have supplied total energy consumption (TEC) across all buildings, industrial processes and transport under our responsibility and from this, significant energy consumption has been identified and audited by an independent third party, Inspired Energy Plc who have then presented a summary of projected opportunities and energy savings in kWh with corresponding guide price savings and payback timeframes.

The projected energy saving opportunities have been identified by type under the category of 'building', hot water, lighting, energy management, HVAC, renewables, and voltage optimisation.

For FY2023-24 Redcentric are submitting responses to the new multi-environmental issue of the CDP that incorporates not only climate change but also forests and water security in one combined assessment.

Completing the disclosure questionnaire will ensure Redcentric are presenting a transparent picture of their environmental targets and initiatives allowing us to track and benchmark our progress and identify potential actions to address our risk and opportunities.

Redcentric has submitted its near term and long terms targets to the SBTi and are awaiting formal validation of them, as detailed in the Net-zero Strategy Report.

Emissions Reduction Targets

Redcentric has set near term and net-zero targets that are aligned with the latest climate science (1.5C warming pathway) as outlined below:

Near Term Scope 1 and 2 emissions reduction targets:

42% reduction in scope 1 and 2 emissions by FY2030 from FY2022 base year

Near term Scope 3 emissions reduction target:

86% of suppliers (by spend) covering scope 3 categories 1 and 2, will have science-based targets by FY2028

Net-zero targets:

Net-zero (at least 90% absolute reduction) scope 1,2 and 3 emissions by FY2050 from a FY2022 base year.

To achieve the near-term target for scope 1 and 2 Redcentric will need to reduce emissions by an average of 5% each year and by an average of 4% each year for scope 3.

Redcentric have created a 'Decarbonisation Roadmap' focussing on four key decarbonisation areas, based on Redcentric's FY2022 GHG emissions hotspots and have created short-, medium- and long-term actions for each.

The focus areas identified are buildings, procurement, products and people.

Carbon Reduction Projects

In order to submit data for both legislative and voluntary requirements, carbon reduction methods adopted by Redcentric has added to performance ambitions and achievements across all areas.

Carbon Reduction Improvements in FY2023-24 (list of improvements from last year)

Renewable Energy Sourcing: 100% of electricity is procured from renewable sources, helping to reduce our scope 2 emissions to zero.

Transition to sustainable fuels: We have converted all back-up diesel generators to HVO (Hydrotreated Vegetable Oil), a more sustainable alternative lower in emissions compared to traditional diesel.

Fleet Electrification: Our initiative to replace conventional diesel vans with electric vehicles further contributes to reducing scope 1 emissions associated with fleet operations and the start of this began with the procurement of an electric van in place of traditional fuel transport, which will lead to reduced emissions and promote sustainability by decreasing reliance on fossil fuels.

Redcentric is committed to year-on-year improvements and a register of energy efficiency measures has been compiled with a view to implementing these measures in the next 5 years.

Infrastructure Investments: Recent investments of £5 million in our Data Centre infrastructure have significantly improved energy efficiency, increasing the Power Usage Effectiveness (PUE) to an average of 1.6 from a previous measure of 2.

Measures undertaken and ongoing utilising the investment include the replacement of chillers, replaced with built-in dry air coolers, improving the colling efficiency and reducing energy consumption as well as lowering cooling costs.

Reporting and Accountability: Annual environmental audits and reporting mechanisms ensure transparency and accountability in our environmental performance.

Carbon Reduction Initiatives for FY2024-25 (list of action planned for year ahead)

Measures prioritised for this financial year include the plan to move two Megavolt Amps (MVA) of capacity to a more efficient Uninterruptable Power Supply (UPS).

The migration of data hall power will consolidate the number of UPS in service leading to a reduction in energy use.

Replacement of the data hall lighting with energy efficient LED lighting in our largest data centre at Hounslow, minimising energy consumption.

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^① for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting^②

Scopes 1, 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^③

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:



Andy Duffey

Head of Compliance & CTO Assurance.

Date: 30 Aug 24

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>



Proactive

We think and
act quickly



Inspired

We create
excitement through
innovation

Trusted

We do what
we say we will

Collaborative

We work together
to deliver
a common goal

Transparent

We are open,
honest and fair





Head office

Central House
Beckwith Knowle
Harrogate
HG3 1UG

T 0800 983 2522

E sayhello@redcentricplc.com

W www.redcentricplc.com

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