

Title:		SRL's Carbon Reduction Plan			
This document is easy to understand		Yes	and is important to meeting our goals		Yes
It helps us Win Work: Yes		Do Our Work: No		Get Paid: No	Add Value: Yes
It satisfies ISO 9001: Yes		ISO 14001: Yes		ISO 45001: No	UKAS (ISO 17025): No
Created by		Lauren Cullivan		Date:	26/07/2024
Approved by:		Jack Dalziel		Date:	26/07/2024
Version no. on Company Manual:		3.0		Next Review Due:	July 2025

Summary

SRL Technical Services Limited is committed to achieving Net Zero emissions by 2030, well ahead of the Government's 2050 deadline. We will endeavour to become Net Zero prior to 2030 because we believe we should be championing emission reduction as an Environmental Consultancy.

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 GHG 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.



Director

Date: 26th July 2024

¹ [Corporate Standard | Greenhouse Gas Protocol \(ghgprotocol.org\)](https://ghgprotocol.org/corporate-standard)

² [Government conversion factors for company reporting of greenhouse gas emissions - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/conversion-factors-for-company-reporting-of-greenhouse-gas-emissions)

³ [Corporate Value Chain \(Scope 3\) Standard | Greenhouse Gas Protocol \(ghgprotocol.org\)](https://ghgprotocol.org/corporate-value-chain-standard)

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1.0 Introduction

SRL Technical Services Limited is conscious of its position and role within the community and is committed to improving its environmental performance as a responsible employer and environmental consultancy. We continually identify and comply with all relevant environmental legislation, regulations and codes of practice that relate to our activities. We maintain knowledge of all relevant legal and political developments so that we anticipate, and are prepared for, any future changes in standards.

This Carbon Reduction Plan conforms to the requirements of Procurement Policy Note PPN06/21 *Taking Account of Carbon Reduction Plans in the procurement of major government contracts*⁴ and the supporting *Technical standard for the Completion of Carbon Reduction Plans*⁵. The calculation of SRL's carbon emissions adheres to the *Greenhouse Gas Protocol's Corporate Accounting and Reporting Standard*⁶ which accounts for Scope 1 (direct emissions), Scope 2 (energy indirect) and Scope 3 (other indirect) emissions. SRL's current business activities produce emissions from the following:

- Scope 1:
 - Heating the office with liquified petroleum gas (LPG)
 - Hiring cars (petrol and diesel)
- Scope 2:
 - Electricity use at our office
 - Electricity use for charging company Electric Vehicles (EVs)
- Scope 3:
 - Well-to-Tank (WTT)
 - Transmission and distribution (T&D)
 - Using a taxi
 - Using personal cars
 - Taking flights
 - Train journeys
 - Water consumption and treatment
 - Purchasing laboratory materials
 - Disposing of waste
 - Homeworking (from January 2022)
 - Staying in hotels

⁴ [Carbon Reduction Plan Procurement Policy Note.pdf](#)

⁵ [Microsoft Word - PPN 0621 Technical standard for the Completion of Carbon Reduction Plans.docx \(publishing.service.gov.uk\)](#)

⁶ [ghg-protocol-revised.pdf \(ghgprotocol.org\)](#)

2.0 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.

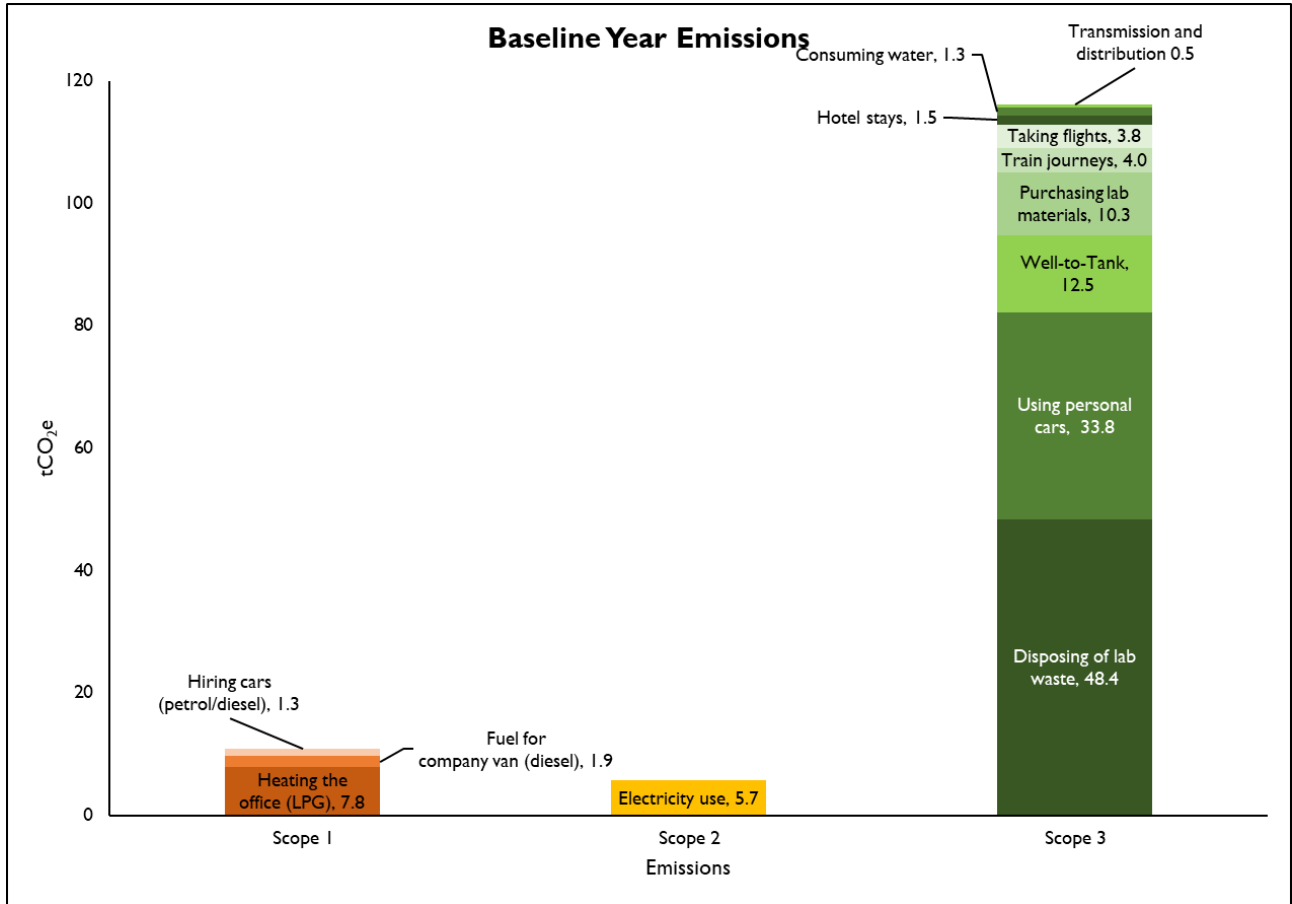
Baseline Year: September 2018 – August 2019	
Additional Details relating to the Baseline Emissions calculations.	
SRL has measured Scope 1, 2 and 3 emissions since January 2022 as a result of working towards ISO 14001 which we achieved accreditation for in April 2022. Our baseline emissions are for the financial year of 2018/2019 because it is the earliest year not impacted by the Covid-19 pandemic and subsequent lockdowns. Therefore, this data best represents SRL’s business activities.	
Baseline year emissions:	
Emissions	Total (tCO ₂ e)
Scope 1	11.0
Scope 2	5.7
Scope 3	116.2*
Total	132.8

* In line with the GHG Protocol guidance, the Scope 3 baseline emissions have been recalculated since Version 1.0 of this Plan was published as follows:

- incorrect conversion factors applied to some waste types. We now know through speaking with our primary waste carrier that they recycle everything apart from plastics, ceiling tiles and insulation. Landfill conversion factors had previously been applied to these wastes. Furthermore, all general waste gets sent to landfill; previously a proportion of the general waste had a recycling conversion factor attributed to it.
- wrong conversion factors applied to using taxis and the associated WTT emissions. The conversion factor for passenger.km had been used, rather than just passenger; passenger.km should only be used for mass transport.
- WTT and T&D emissions were previously not considered.
- emissions from hotel stays were previously not considered.

This results in Scope 3 baseline emissions rising from 79.6 to 116.2.

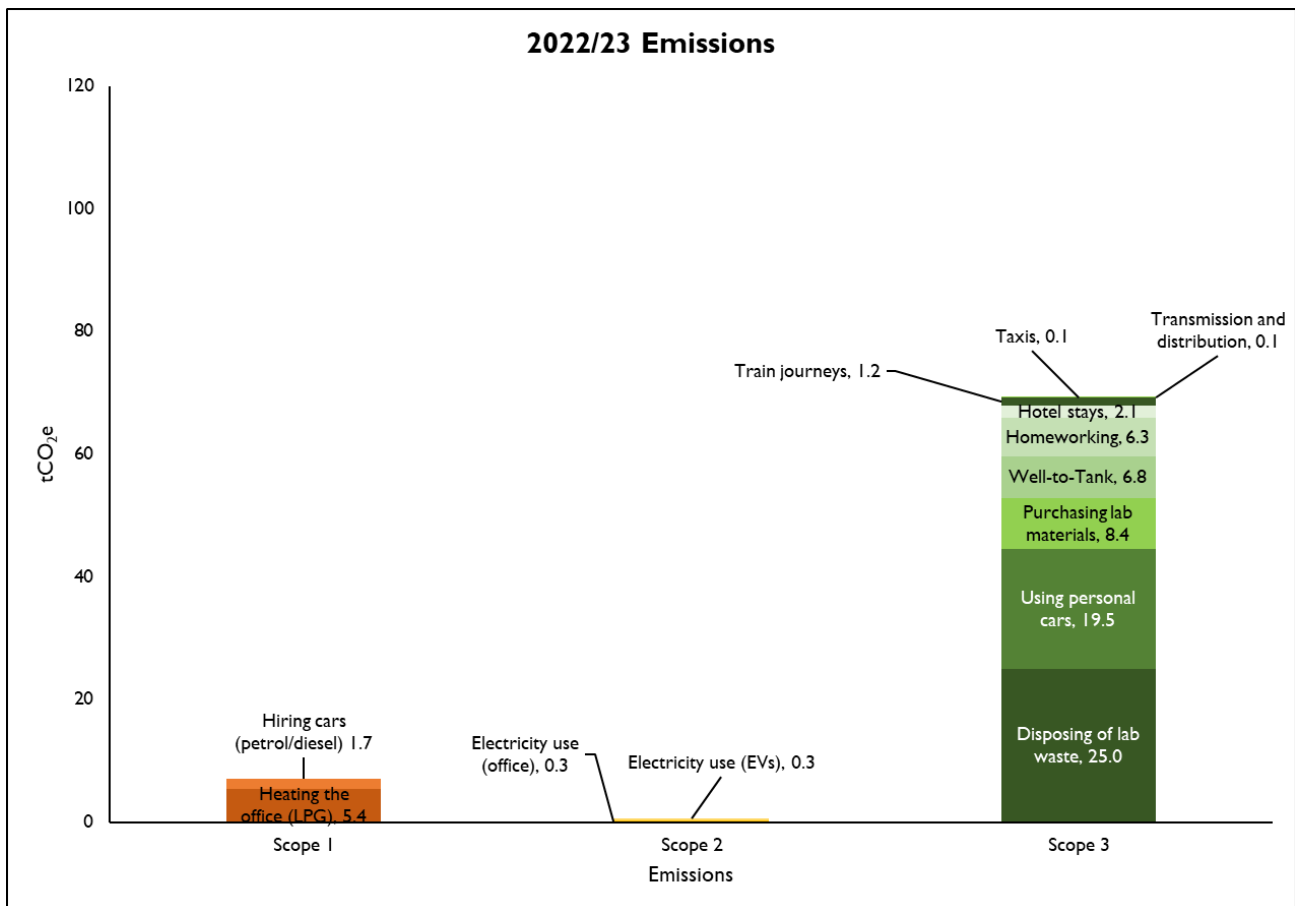
Figure I - breakdown of SRL’s baseline emissions (September 2018 to August 2019).



3.0 Current Emissions Reporting

Reporting Year: September 2022 – August 2023	
Emissions	Total (tCO ₂ e)
Scope 1	7.1
Scope 2	0.6
Scope 3	69.3
Total	77.1

Figure 2 - breakdown of SRL’s emissions between September 2022 and August 2023.



The Scope 3 emissions from water consumption and treatment (0.04 combined) is so small it was not captured to 1 decimal place but is noted here. No flights were taken during this reporting year.

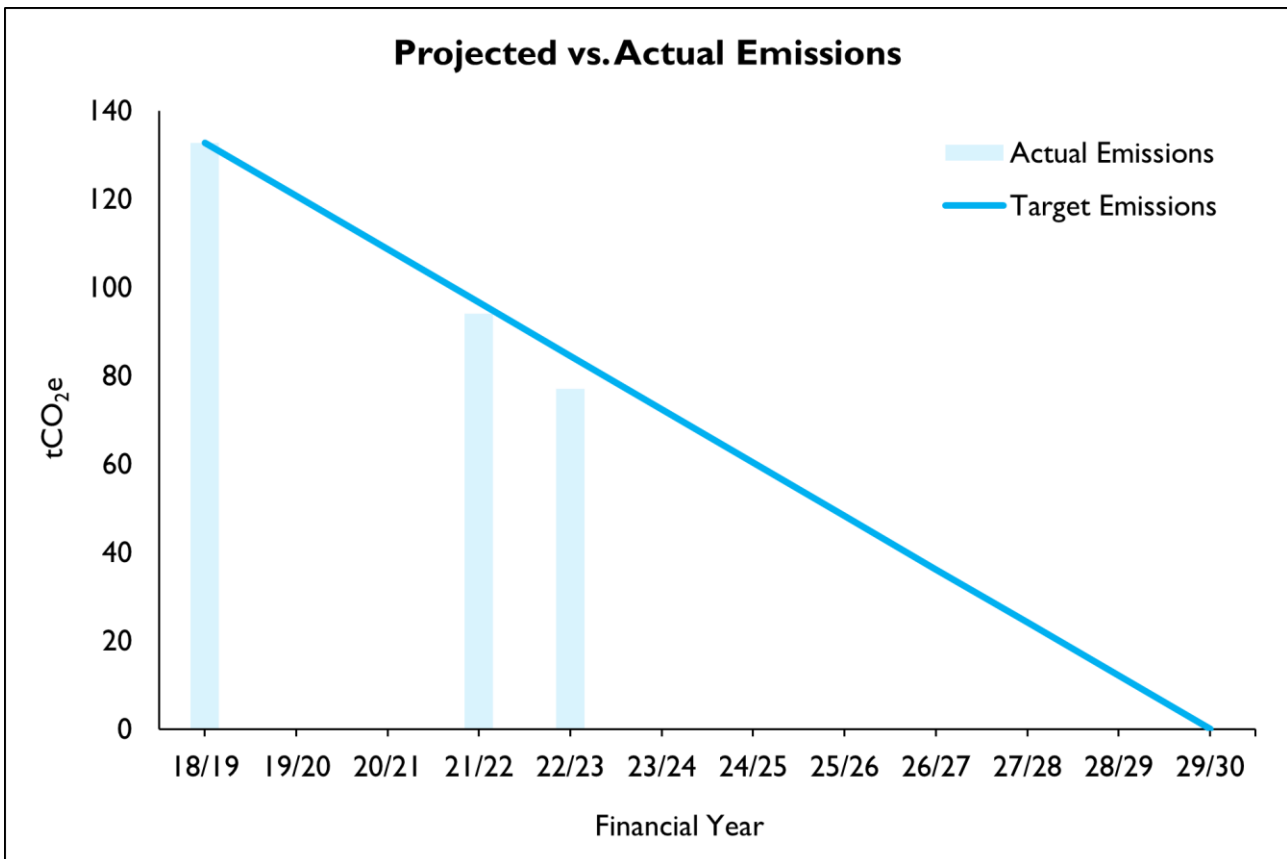
4.0 Emissions Reduction Targets

We have adopted the following carbon reduction targets in order to continue our progress to achieving Net Zero:

- Achieve Net Zero emissions by 2030 by,
- minimising waste to landfill, and
- reducing and reusing laboratory materials for testing.

We project that carbon emissions will decrease over the next five financial years to 24.2 tCO₂e by 2027/2028. This is a reduction of 81.8%.

Progress against these targets can be seen in the graph below:



5.0 Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2018/19 baseline. The carbon emission reduction achieved by these schemes equate to 55.7 tCO₂e, a 41.9% reduction against the 2018/19 baseline.

There are a number of business-wide environmental management measures that support SRL to measure, manage and reduce our carbon emissions.

5.1 ISO 14001

We received ISO 14001 accreditation in April 2022. SRL now has an effective Environmental Management System in place.

5.2 Electric Vehicles

Our first EV delivery was on 14th January 2021. Since then, our electric fleet has increased to 9 EVs under the OZED grant scheme. SRL's employees and clients are able to charge their EVs from the 3 fast charging points at our Holbrook head office.

We replaced our diesel company van with an electric model in early 2023.

5.3 Reduction of Scope 2 Emissions

SRL moved to Octopus Energy in October 2022 as they provide 100% renewable electricity to customers.

5.4 Hybrid Working

Although some organisations are trying to revert to pre-COVID19 working practices, we continue to operate our flexible working scheme and encourage virtual meetings where possible. This significantly reduces the need to travel to our offices or long distances for meetings. We encourage using public transport when travel is necessary which reduces our carbon emissions from business travel.

5.5 Waste Reduction

We are helping our acoustic testing laboratory to run more efficiently by reducing the amount of material we buy and dispose of by carefully deconstructing test set-ups. In turn, this increases the reuse of materials for testing.

5.6 Renewable Energy Projects

In November 2019 we had 118 solar panels installed on our laboratory roof, each capable of producing 285W. They have generated, on average, 26,987 kWh per year since being installed.

In May 2024 the second phase of solar panel installation took place and 42 additional solar panels were installed on the west laboratory roof. This maxed out our provision from UKPN of 50kWp. The original solar PV has generated, on average, around 27,000 kWh per year since it's been installed. It's estimated these new solar panels will generate around an additional 15,500 kWh per year.

5.7 Carbon Offsetting

SRL do not currently purchase any carbon credits and therefore we do not offset any of our carbon emissions.

At SRL, offsetting is a last step and will not be prioritised over making real reductions in our carbon emissions through our own actions. We have not entered into any UK-based certified carbon offsetting scheme such as the Woodland Carbon Code or the Peatland Code. Any offsetting activities through these schemes in the future will be transparently managed through SRL if there is a need to use them in the future.

5.8 Looking Ahead

In the future, we will implement the following measures to reduce our Scope 1 LPG emissions by 100% relative to our baseline emissions, and significantly improve our Scope 3 emissions:

- 1) Stop using LPG to heat the offices. Our current long-term plan is to replace our LPG boiler and tank with an air source heat pump, powered by renewably generated electricity. This will significantly reduce the carbon we generate in the operation of our business.
- 2) Stop using petrol and diesel-fuelled private vehicles for business use by implementing schemes that require electric vehicles only to be used, e.g. hiring electric cars for site visits and meetings where public transport is not feasible.
- 3) Use materials for the laboratory that have a lower embodied carbon footprint, this includes materials that are made from renewable resources.
- 4) Remove the linear take-make-waste system and adopt a circular economy mindset so materials re-enter the economy at their end of use. This means prioritising materials being reused, maintained, shared, repaired and/or refurbished before they are recycled.

We will continue to review our processes and systems to identify other practicable measures we can implement to improve our energy efficiency and carbon reduction rate.