



CARBON REDUCTION PLAN 2024

**SPL Powerlines UK Ltd
Power & Infrastructure
Resourcing Limited**

07 June 2024



COMMITMENT TO ACHIEVING NET ZERO

SPL Powerlines Ltd and Power & Infrastructure Resourcing Limited is committed to achieving Net Zero emissions by 2050 for our UK operations and by 2045 for our Scotland operations to align with the UN Sustainable development goals and Climate Change Act 2008.

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: 01/01/2022 – 31/12/2022

Additional Details relating to the Baseline Emissions calculations.

This year represents the organisations Year 2 figure.

Scope 3 emission include the mandatory categories of:

- Upstream transportation and distribution
- Waste generated by operations
- Business travel
- Employee commuting
- Downstream transportation and distribution – N/A

Other Scope 3 emissions categories included are:

- Paper usage
- Water usage
- Water treatment
- Transmission and distribution losses

Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1597
Scope 2	81.4
Scope 3	38.5 (<i>transmissions losses, Paper usage, Bus. travel, Waste, Water</i>)
Total Emissions	1,808.6

CURRENT EMISSIONS REPORTING

Reporting Year: 2023 – Year 2, Data is based on submission to certification body.	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	2566.2
Scope 2	95.4 (<i>inc. fleet EVs</i>)
Scope 3 (Included Sources)	57.7* (<i>transmissions losses, Paper usage, Bus. travel, Waste, Water</i>)
Total Emissions	2,719.3

*Scope 3 excludes upstream transport emissions and employee commuting, data collected for 2023.

CURRENT YEAR BREAKDOWN OF EMISSIONS

Reporting year: 01 January 2023 to 31 December 2023

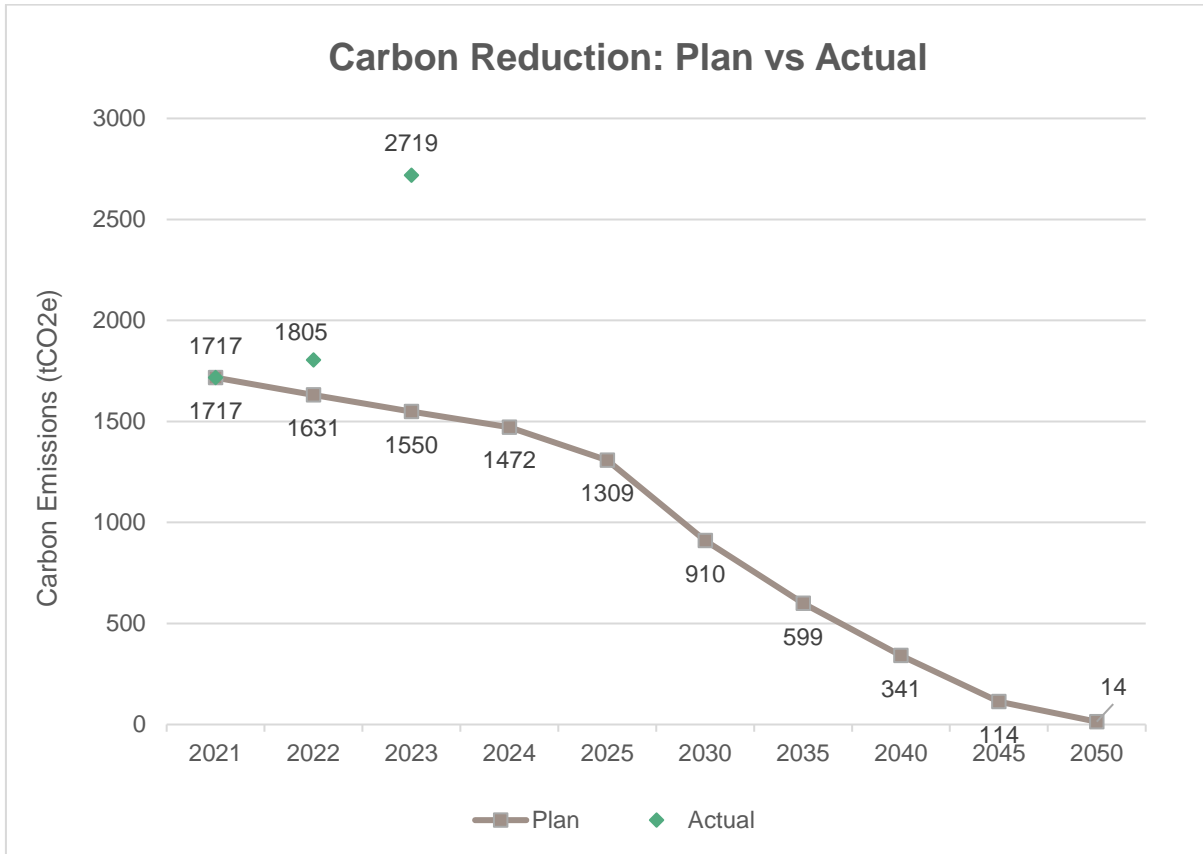
Source	Scope	Unit	Amount	tCO2e	% total carbon footprint
Buildings					
Biodiesel HVO	1	litres	61,063.50	2.2	0.1%
Diesel Fuel	1	litres	222,342	558.5	21%
Electricity (location based)	2	kWh	445,418.40	92.2	3%
Electricity (market based)	2	kWh	445,418.40	135.5	-
Gas Oil	1	litres	20,873.00	57.5	2%
Natural Gas	1	kWh	236,291.50	43.2	2%
Transmission & distribution Losse	3	kWh	445,418.40	8	0.30%
Procurement					
Paper Primary Content	3	tonnes	2.9	2.7	0.10%
Travel					
Fleet Diesel Car	1	km	173,350.10	28.1	1.0%
Fleet Petrol car	1	litres	11,265.40	1.6	0.1%
Fleet Diesel Fuel	1	litres	728,607.40	1,830.30	67.0%
Fleet Petrol Fuel	2	km	15,637.80	32.8	1.0%
Fleet PHEV	2	km	151,349.20	7.4	0.3%
Fleet Electric	3	km	32,654.40	1.5	0.1%
Commuting walking	3	km	107,942.80	0	0.0%
Commuting Van	3	km	311,881.70	25	1.0%
Commuting Rail	3	km	1,583,888.30	11.1	0.5%
Commuting Diesel Car	3	km	753,437.20	270.6	12.0%
Commuting Petrol Car	3	km	182,204.20	128.4	5.0%
Commuting PHEV	3	km	228,228.20	17	1.0%
Commuting Hybrid Car	3	passenger.km	11,756.50	27.4	1.0%
Commuting Bus	3	km	57,710.70	1.1	0.1%
Commuting Bike	3	km	29,261.10	0	0.0%
Petrol Car	3	passenger.km	2,035.20	5	0.2%
Air Travel	3	passenger.km	2,035.20	0.2	0.1%
Rail Travel	3	passenger.km	53,889.80	1.9	0.3%
Waste					
Energy from waste	3	tonnes	81.40	1.7	0.1%
Landfill	3	tonnes	18.50	7.9	0.3%
Recycled	3	tonnes	389.60	4.2	0.2%
Water					
Water Supply	3	cubic meters	2,578.20	0.5	0.02%
Water treatment	3	cubic meters	2,347.40	0.6	0.02%

EMISSIONS REDUCTION TARGETS

As this SPL Powerlines and Power & Infrastructure Resourcing first carbon reduction plan we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease to 1309 tCO₂e by 2025. This is a planned reduction of 24% over the current baseline.

Our projected progress against these targets can be seen in the graph below:



CARBON REDUCTION PROJECTS

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline.

- Renewable powered plant and equipment is being increasingly used on our construction sites; with solar tower lighting, CCTV, and solar hybrid mobile welfare units.
- Replacement of site diesel for Hydrotreated Vegetable Oil (HVO) fuel in Scotland.
- SPL have increased the number of hybrid & electric company cars in their fleet ~ 41%.
- To support the use of electric vehicles by our employees, electric charge points have been installed at our Coatbridge, Doncaster, and Leicester offices.
- Data integration software for quality assurance, referrals, and daily site checks/permits leading to reduced paper usage.
- Reduce waste production in accordance with the waste hierarchy (prevent, reduce, reuse, recycle, recovery, disposal).
- Working with our supply chain partners we are shifting to low carbon solutions including carbon-zero service providers for issuing notification of works letters to our lineside neighbours.

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

- Ensuring our workforce receives carbon reduction training, awareness briefings or some form of education programme relevant to their roles.
- Utilising the services of an energy broker to procure 100% REGO certified renewable energy for offices and large sites / projects with a mains energy feed.
- Lighting within the SPL offices is 100% LED with motion sensors in place where appropriate.
- Installation of renewable energy generation at our main offices
- Become a signatory of the Science Based Targets Initiative 'Business Ambition for 1.5°C', confirming that we have committed to set a science-based carbon reduction target that is in line with a 1.5°C future.
- Robust Data - We will continue to review carbon data, to close gaps and further improve data quality.
- Target our reduction around the known key emission sources and be guided by the IEMA GHG Management Hierarchy, using elimination, reduction, substitution and compensation.
- Collaboration with our supply chain to drive innovation by utilizing technological solutions to reduce our carbon footprint.

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:


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Date: 7/6/24 ✓
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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>