



PPN *CARBON* Reduction Plan

SPL Powerlines UK Ltd



PPN Carbon Reduction Plan

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SPL Powerlines

04/04/2023

Commitment to achieving Net Zero

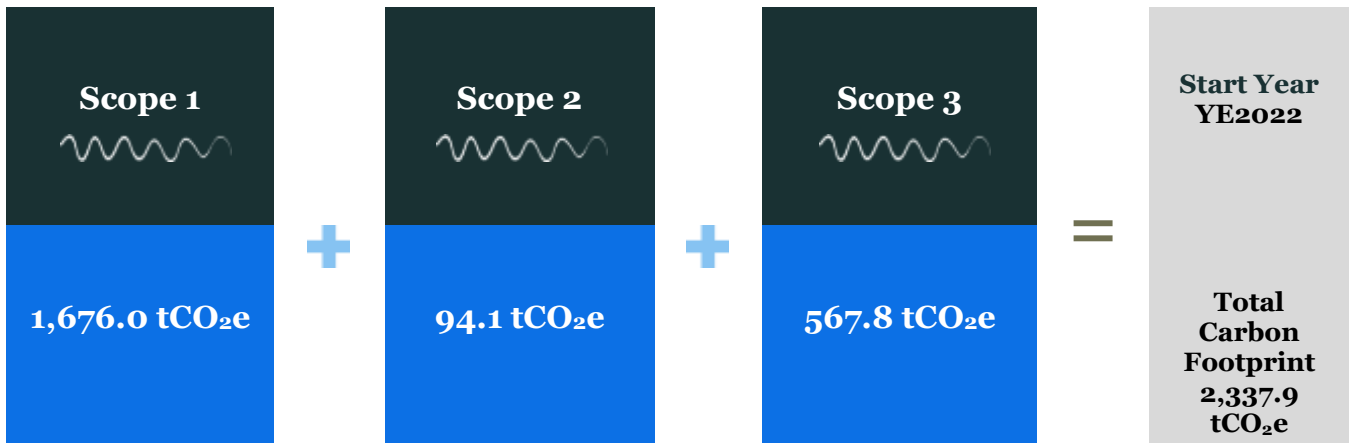
SPL Powerlines is committed to achieving Net Zero emissions in Scotland by 2045 and by 2050 in England and Wales. In order to meet this target, SPL Powerlines has created its own carbon reduction action plan which details a series of activities it is planning in 2025, 2030 and beyond to move towards net zero.



Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in a yearly period 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.

SPL Powerlines reported its scope 1 and 2 emissions as well as the required subset of scope 3 emissions for the carbon reduction plan for the first time in YE2022.



Additional details relating to the Baseline Emissions calculation

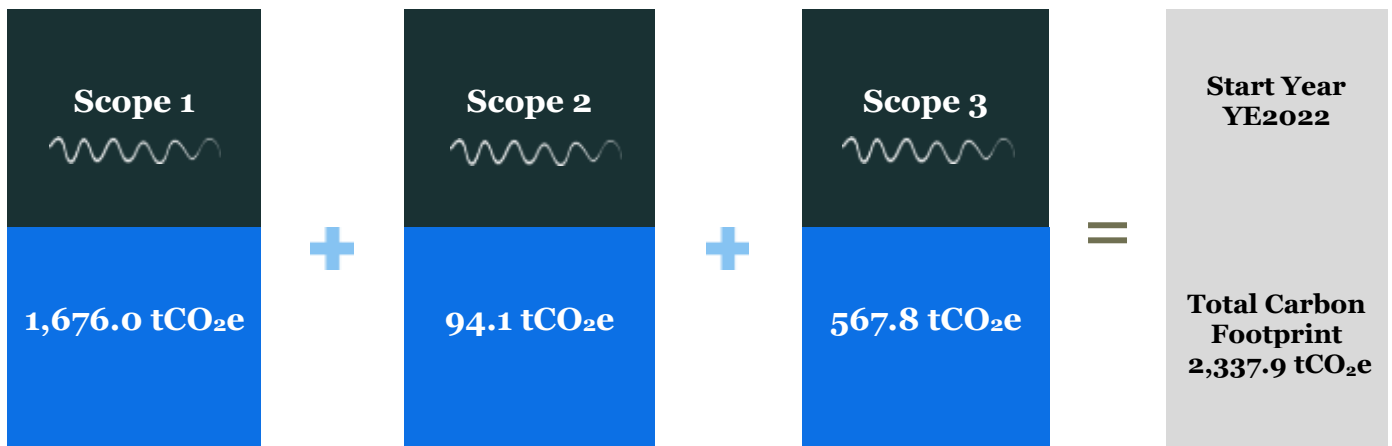
SPL Powerlines measured its carbon footprint with Planet Mark for the first time in YE2021. However, this historic baseline did not include the subset of scope 3 categories needed for PPN 06/21 and as such the most reflective SPL Powerlines baseline was chosen to be YE2022.



Current Year Emissions Footprint

Current Year emissions are a record of the greenhouse gases that have been produced in the current year of reporting following the introduction of any strategies to reduce emissions. Current emissions are used to record the measurement of the reduction in the reporting period.

Due to the re-baselining of SPL Powerlines' footprint, YE2022 is SPL Powerlines' baseline year and as such, no reduction measures have yet been quantified.



Additional details relating to the Current Emissions calculation

Current emissions calculations include the subset of scope 3 categories required for PPN 06/21. For SPL Powerlines, this includes waste, business travel, upstream transport and distribution, and commuting. SPL Powerlines and Planet Mark deemed the downstream transportation and distribution category not to be relevant to SPL Powerlines.

Current Year Emissions Breakdown

Source	Scope	Unit	Current		% total carbon footprint
			Amount	tCO ₂ e	
01 January 2022 to 31 December 2022					
Buildings					
Biodiesel HVO	1	litres	15,241.0	0.5	0.02%
Diesel Fuel	1	litres	172,630.1	441.6	19%
Electricity (location based)	2	kWh	464,162.9	89.8	4%
Electricity (market based)	2	kWh	464,162.9	144.9	-
Gas Oil	1	litres	55,474.0	153.0	7%
Natural Gas	1	kWh	247,373.7	45.2	2%
Transmission and Distribution Losses	3	kWh	464,162.9	8.2	0.4%
Procurement					
Freight HGV	3	tonne.km	368,266.8	39.1	2%
Freight Van	3	tonne.km	8,408.4	4.9	0.2%
Paper Primary Content	3	tonnes	3.6	3.3	0.1%
Travel					
Fleet Petrol Fuel	1	litres	9,615.6	20.8	1%
Fleet PHEV	1	km	87,430.9	6.2	0.3%
Fleet Hybrid Car	1	km	78,985.6	8.7	0.4%
Fleet Diesel Fuel	1	litres	367,254.5	939.4	40%
Fleet Diesel Car	1	km	368,479.3	60.6	3%
Fleet PHEV	2	km	78,497.4	1.9	0.1%
Fleet Electric Car	2	km	58,412.7	2.5	0.1%
Air Travel	3	passenger.km	2,035.2	0.2	0.009%
Hybrid Car	3	km	2,900.0	0.3	0.01%
Fleet PHEV	3	km	78,497.4	0.2	0.007%
Fleet Electric Car	3	km	58,412.7	0.2	0.01%
Diesel Car	3	km	28,845.9	4.9	0.2%
Commuting Walking	3	km	143,933.4	0	0.0%
Commuting Van	3	km	107,942.8	25.0	1%
Commuting Rail	3	passenger.km	311,881.7	11.1	0.5%
Commuting Petrol Car	3	km	753,437.2	128.4	5%
Commuting PHEV	3	km	182,204.2	17.0	1%
Commuting Hybrid Car	3	km	228,228.2	27.4	1%
Commuting Electric Car	3	km	167,006.5	8.6	0.4%
Commuting Diesel Car	3	km	1,583,888.3	270.6	12%
Commuting Bus	3	passenger.km	11,756.5	1.1	0.1%
Commuting Bike	3	km	57,710.7	0	0.0%
Petrol Car	3	km	29,261.1	5.0	0.2%
Rail Travel	3	passenger.km	53,889.8	1.9	0.1%
Waste					
Energy from Waste	3	tonnes	72.1	1.5	0.1%
Landfill	3	tonnes	9.3	3.8	0.2%
Recycled	3	tonnes	513.0	3.8	0.2%
Water					
Water Supply	3	cubic metres	2,578.2	0.4	0.02%
Water Treatment	3	cubic metres	2,347.4	0.6	0.03%
Total (location-based)		tCO₂e	2,337.9		
Total (market-based)		tCO₂e	2,393.0		

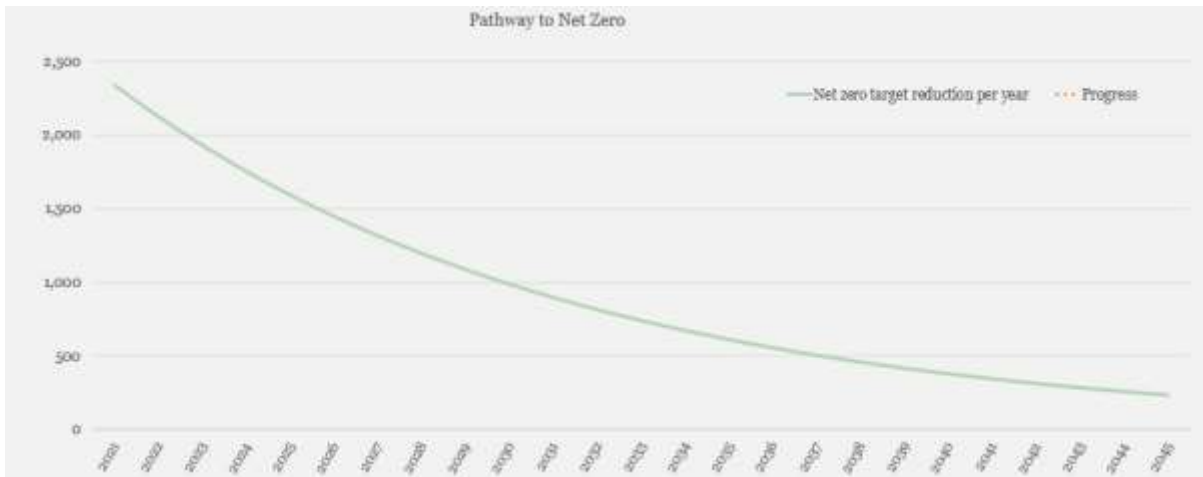


Emissions Reduction Targets

To continue its progress to achieving Net Zero, SPL Powerlines has adopted the following carbon reduction targets.

SPL Powerlines aim to decrease its carbon emissions over the next 28 years to 233.8 tCO₂e by 2045. This is a reduction of 90%.

SPL Powerlines has separate reduction targets for Scotland, and England and Wales, however, as it hasn't calculated separate carbon footprints for these regions, Planet Mark have used the closest target of 2045 for these projections.



Summary

<p>Start Year</p> <p>YE2022</p> 	<p>Year to achieve Net Zero</p> 	<p>Net Zero target Reduction per year</p> 
<p>2,337.9</p>	<p>YE2045</p>	<p>10%</p>






Carbon Reduction Projects

SPL Powerlines has completed a variety of environmental management measures in its baseline year for the PPN. These measures include the introduction of solar powered tower lights, solartainers (solar panel, battery, genset) and hybrid generators on their work sites. SPL Powerlines also started using HVO fuel with use within its hybrid generators. Finally, SPL Powerlines started using eviFile for its design and site documentation to reduce the use of paper.

The following environmental management measures and projects are planned from the current year onwards, to drive its carbon footprint towards their net zero carbon targets. This year SPL Powerlines is acquiring more of the equipment and fuel outlined above as well as planning to install DNO connections at some of its work sites so it can reduce its need for diesel gensets on site and use 100% renewable electricity.



Net Zero Action Plan

		Projects	Carbon Saving	Timeline	Accountability	Costs	Priority
	Fleet Travel	<p>By 2025, SPL Powerlines is planning on better-managing data by using fuel pump and mileage data whilst improving driver behaviour. SPL are also planning a phased electrification of its fleet and introduced renewables on-site to replace its petrol and diesel usage in site vehicles.</p> <p>By 2030, SPL Powerlines are planning to further electrify its fleet and continue to use renewables on site.</p>	SPL Powerlines hope for a 15% reduction in its fleet emissions by 2025 and a 30% reduction by 2030.	SPL Powerlines are planning three measures by 2025 and 2 measures to continue to 2030.	Optional	Optional	Optional
	Buildings	<p>By 2025, SPL Powerlines are planning to reduce its electricity emissions by 60% through the procurement of 100% REGO-backed electricity.</p> <p>By 2030, SPL are planning no further reductions.</p>	SPL Powerlines expects a 60% reduction in its location-based electricity emissions and a 100% reduction in its market-based emissions by 2025.	SPL Powerlines are planning all its building reduction efforts to be completed by 2025.	Optional	Optional	Optional
	Paper	<p>By 2025, SPL Powerlines is planning to reduce its paper usage by 50% through discouraging paper usage and encouraging the use of digital platforms such as eviFile.</p> <p>By 2030, it is planning to continue these measures.</p>	SPL Powerlines expects a 50% paper emissions reduction by 2025.	SPL Powerlines plans its paper reduction measures to be in place by 2025 and continue until 2030.	Optional	Optional	Optional
	Business Travel	<p>By 2025, SPL Powerlines is planning to achieve a reduction in its business travel by conducting more meetings over video conferencing and by conducting a modal shift from road to rail.</p> <p>By 2030, it is planning to continue these measures.</p>	SPL Powerlines expects a 10% reduction in its business travel through these policies by 2025.	SPL Powerlines plans its business travel reduction measures to be in place by 2025 and continue until 2030.	Optional	Optional	Optional
	Waste Generated In Operations	<p>By 2025, SPL Powerlines is aiming to send none of its waste to landfill.</p> <p>By 2030, SPL Powerlines is planning to carbon offset its waste emissions and produce energy and biofuels from its waste.</p>	SPL Powerlines expects a 75% reduction in its waste emissions by 2025. The reduction from the efforts planned to take place by 2030 has not yet been quantified.	SPL Powerlines plans one of its waste emissions reduction methods to be in place by 2025 with a further two coming in prior to 2030.	Optional	Optional	Optional



Declaration

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 standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

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) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed



(UK Group Safety & Services Director)

Date

17/04/2023

