

ESRI Holdings Limited

Carbon Reduction Plan

Commitment to achieving Net Zero and reduction in Greenhouse Gas

The constituent companies of Esri Holdings that contribute to Greenhouse Gas Emissions include:

ESRI (UK) Limited (trading as Esri UK) has signed up to the SME Climate Hub¹ and has committed to halve greenhouse gas emissions and reach net-zero emissions before 2030.

Environmental Systems Research Institute Ireland Limited (trading as Esri Ireland) has signed up to the SME Climate Hub² and has committed to halve greenhouse gas emissions and reach net-zero emissions before 2030.

Helyx Secure Information Systems Limited (trading as Helyx SIS) has signed up to the SME Climate Hub³ and has committed to halve greenhouse gas emissions and reach net-zero emissions before 2030.

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 for Esri Holdings Limited: 2019			
(Assessment conducted by Carbon Footprint Limited)			
Additional Details relating to the Baseline Emissions calculations: None			
Baseline year emissions:			
EMISSIONS		TOTAL (tCO ₂ e)	
Scope 1	Site Gas		111.21
	Company Car Travel		58.19
	Site Diesel		0.40
	Vehicle Fuel Usage		17.08
Total Gross Scope 1			186.88
Scope 2	Electricity generation (Location Based) ⁴		188.30
	Electricity generation (Market Based) ⁵		40.05
Total Gross Scope 2			40.05
Scope 3	3. Fuel- and energy-related activities	Electricity transmission & distribution	3.30
		Flights	498.34
	6. Business Travel	Cash opt out car travel	129.15
		Grey Fleet	118.54

¹ [Esri UK - SME Climate Hub](#)

² [Esri Ireland - SME Climate Hub](#)

³ [Helyx - SME Climate Hub](#)

⁴ Location-Based relates to actual amount of energy used.

⁵ Market-Based is the amount of energy used after removing that provided by renewable resources.




	Rail Travel	83.05
	Taxi Travel	8.90
	Bus Travel	0.18
Total Gross Scope 3		841.47
Total Gross Emissions		
Total tonnes of CO ₂ e (Location Based)		1,229.34
Total tonnes of CO ₂ e (Market Based)		1,068.80
Tonnes of CO ₂ e per employee		2.77
Tonnes of CO ₂ e per £M turnover (Gross Intensity Ratio)		14.64
OFFSETS	TOTAL (tCO₂e)	
Verified Carbon Standard (Carbon Footprint Ltd)	Gunung Salak Geothermal Energy Project Part 1 (531) & Part 2 (580)	1,111
	VP Biosupply Wastewater Treatment	1,389
	199.70 MW Wind Project in Maharashtra by BWDPL	1,667
Woodland Carbon Code Pending Issuance Units (Woodland Trust) UK	Woodland Carbon Code (PIU) 	500
GoCarbonNeutral (ROI)	GoCarbonNeutral	163
Total Offsets		
Offsets tCO ₂ e contributing towards Net Zero ⁶		<u>4,167</u>
Units towards future CO ₂ sequestration (over next 100 years) ⁷		663
Total Net Emissions		
Tonnes of CO ₂ e per £M turnover (Net Intensity Ratio)		-42.44
Third Party Verification (Links provided)		

Table 1 - Baseline Year 2019

The figures for Scope 3, Category 7, Employee Commuting were not calculated for the Baseline of 2019. These are being calculated retrospectively and will be included as an addition to the Baseline Report and this Carbon Reduction Plan, so that a comparison can be made between Baseline Year and current reporting.

⁶ This fully offsets the 2019 figures for Esri Holdings towards the Net-Zero commitment. The remainder is notionally towards the historical carbon of the group.

⁷ The Pending Issuance Units (PIU) will sequester CO₂ over the next 100 years becoming Woodland Carbon Units (WCU) which will then be able to be used to offset carbon (less that from international flights).

Current Emissions Reporting

Current Year for Esri Holdings Limited: 2020 (being regularly updated) (Assessment conducted by Carbon Footprint Limited)			
Additional Details relating to the Emissions calculations. All offices were temporarily closed from March 2020 due to COVID-19			
Reporting year emissions:			
EMISSIONS		TOTAL (tCO ₂ e)	
Scope 1	Site Gas		55.09
	Company Car Travel		22.00
	Site Diesel		-
Scope 1 Sub Total			77.09
Scope 2	Electricity generation (Location Based)		XXX.XX
	Electricity generation (Market Based)		2.97
Scope 2 Sub Total			2.97
Scope 3	3. Fuel- and energy-related activities	Electricity transmission & distribution	0.29
	4. Upstream transportation and distribution		N/A
	5. Waste generated in operations		N/A
	6. Business Travel	Flights	50.64
		Hire Cars	23.71
		Grey Fleet	18.64
		Rail Travel	12.94
		Taxi Travel	2.40
		Bus Travel	0.06
7. Employee commuting	Commuting	31.32	
	Remote Working	30.35	
9. Downstream transportation and distribution		N/A	
Scope 3 Sub Total			170.35
Total Emissions			
Total tonnes of CO ₂ e (Location Based)			XXX.XX
Total tonnes of CO ₂ e (Market Based)			250.41
Tonnes of CO ₂ e per employee			0.67
Tonnes of CO ₂ e per £M turnover			3.13
OFFSETS		On going to be reported later - TOTAL (tCO ₂ e)	
Verified Carbon Standard (Carbon Footprint Ltd)			
Woodland Carbon Code Pending Issuance Units (Woodland Trust) UK	Woodland Carbon Code (PIU)		
GoCarbonNeutral (ROI)	GoCarbonNeutral		
Total Offsets			

Offsets tCO ₂ e contributing towards Net Zero ⁸	
Units towards future CO ₂ sequestration (over next 100 years) ⁹	
Total Net Emissions	
Tonnes of CO ₂ e per £M turnover (Net Intensity Ratio)	

Table 2 - Current Year 2020

Emissions Reduction Targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next five years to 700 tCO₂e by 2026. This is a reduction of 34%.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been previously completed or implemented since the 2019 baseline.

General

Esri UK & Ireland currently hold BS EN ISO 14001:2015 certification, audited by Lloyd's Register Quality Assurance Limited, and has held this certification since April 2013.

Helyx is undergoing BS EN ISO 14001:2015 certification, with the audit being conducted in November 2021.

Esri UK, Esri Ireland and Helyx are signatories to the SME Climate Hub.

As well as offsetting the Carbon Assessment for 2019 by almost 390% through [Verified Carbon Standard](#) (VCS) projects, we have contributed to future CO₂ sequestration through tree planting with the Woodland Trust in UK (500 tCO₂e) and GoCarbonNeutral in Republic of Ireland (163 tCO₂e).

⁸ This fully offsets the 2020 figures for Esri Holdings towards the Net-Zero commitment. The remainder is notionally towards the historical carbon of the group.

⁹ The Pending Issuance Units (PIU) will sequester CO₂ over the next 100 years becoming Woodland Carbon Units (WCU) which will then be able to be used to offset carbon (less that from international flights).

Scope 1

Move of Company Operated Fleet (Scope 1- Company Car Travel) to Electric Vehicles & Hybrid by 2023

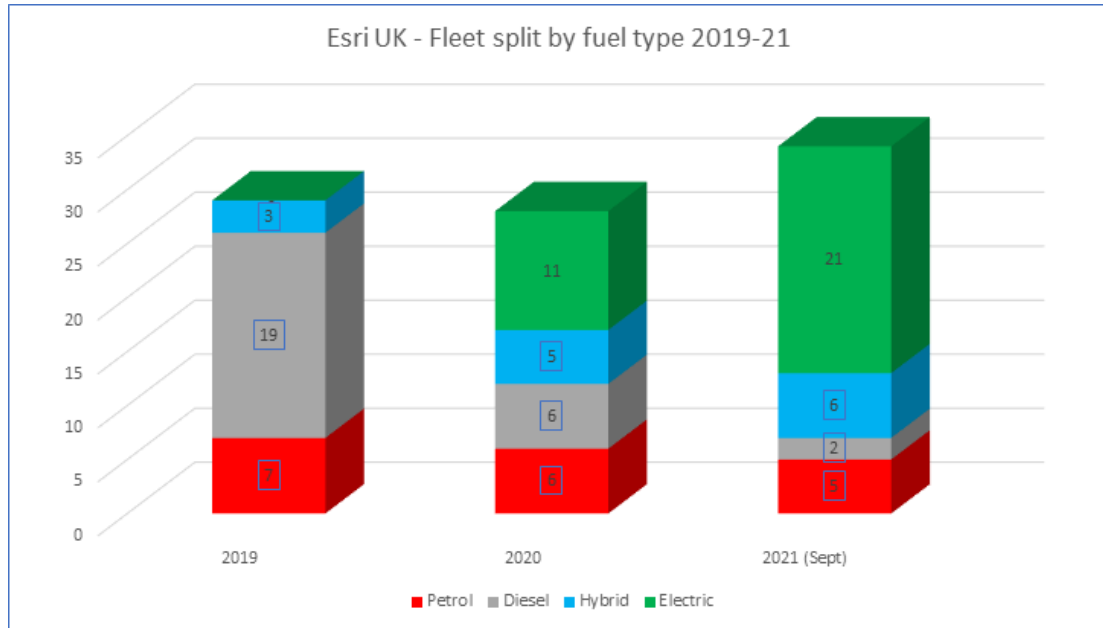


Figure 1 - Fleet move to EV/Hybrid

Scope 2

All electricity provided to all Esri UK & Ireland offices comes from renewable energy providers since 2020.

There is a project which is near to 80% complete to install LED lighting in all Esri UK & Ireland offices.

Replacement of office printers by more efficient printers with Follow Me printing to reduce wastage.

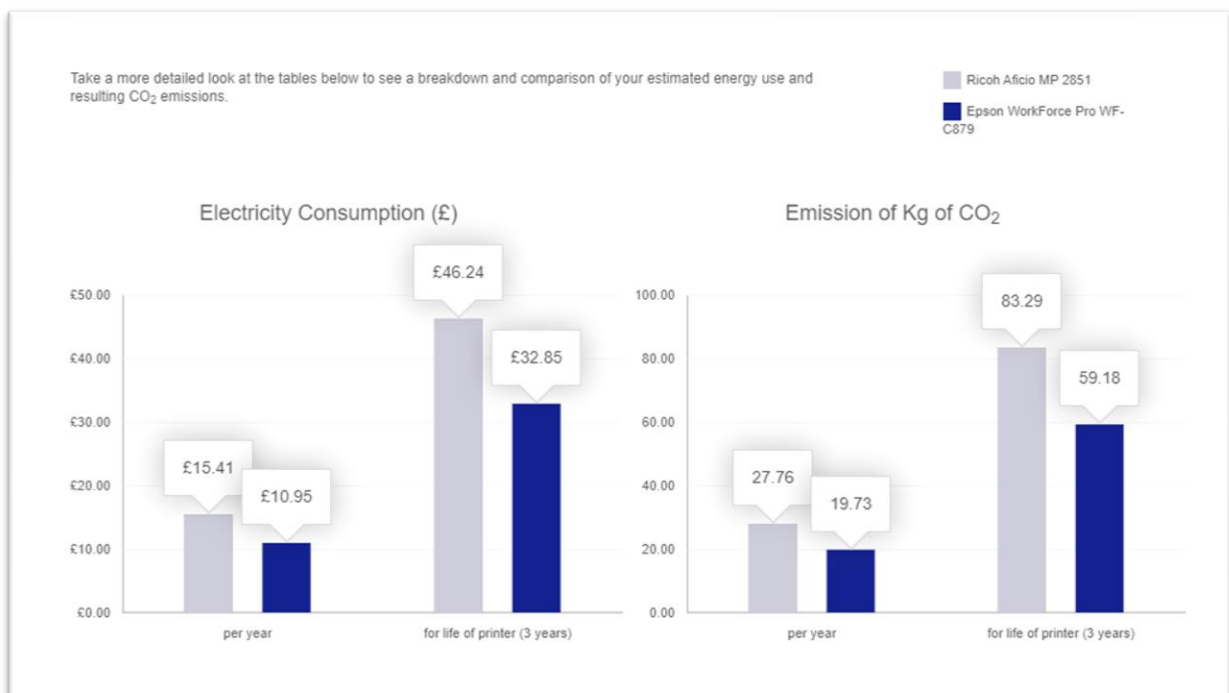


Figure 2 - Efficiency of new Printers

Scope 3

Esri UK & Helyx have the following Salary Sacrifice Schemes to encourage all staff to:

- Cycle to Work¹⁰
- Lease EV & Hybrid Car¹¹

For those employees who are in receipt of a company car allowance, they are incentivised to purchase “fully electric vehicles” .¹¹

There are 10 EV charging points (Pod Point) provided for staff at the Millennium House Headquarters.^{10 11}

Future Carbon Reduction Initiatives

Scope 1

Move the Scope 1 Site Gas provision to Esri UK Millennium House onto a green and sustainable gas provider. This would reduce our GHG from Baseline Year by one-fifth of the target.

The current contract for Esri UK pool cars finishes in 2022 and they will be replaced with EV, and Hybrid cars based on the historic journey usage.

All company operated vehicles will be EV or Hybrid by end of 2023.

Scope 2

Helyx are moving to a renewable electricity provider in 2021 which will reduce their annual Scope 2 emissions by on average 30 tCO₂e.

The largest office in the group is Millennium House and offers projects which will have a significant influence on GHG reduction:

- Possible installation of SRF30 solar reflective film on Millennium House building which is estimated to bring an annual 3.7% energy saving.
- Replacement of ageing chiller unit in Millennium House will improve efficiency and is estimated to reduce annual energy usage by 8%.
- Ongoing removal of server equipment and decommissioning of air conditioning units with estimated saving of 53.4 tCO₂e from 2019 baseline.
- Implement automatic meter reading device on gas in order to analyse usage better.
- Investigate building management system replacement and optimisation.

Scope 3

Implement more rigorous approval policy for flights (especially long haul).¹¹

Reviewing new ways of working; remote first rather than meeting in person, thereby reducing carbon from travel.¹¹

Implement carbon budgets for departments post 2022 assessment – this will allow the comparison of post COVID working arrangements against the Baseline Year of 2019.

¹⁰ Scope 3 Category 7. Employee commuting

¹¹ Scope 3 Category 5. Business Travel

Investigation of installation of EV charging points at Helyx office, Holywood and Dublin.^{10 11}

Forecast of Reduction in Carbon Emissions to 2030

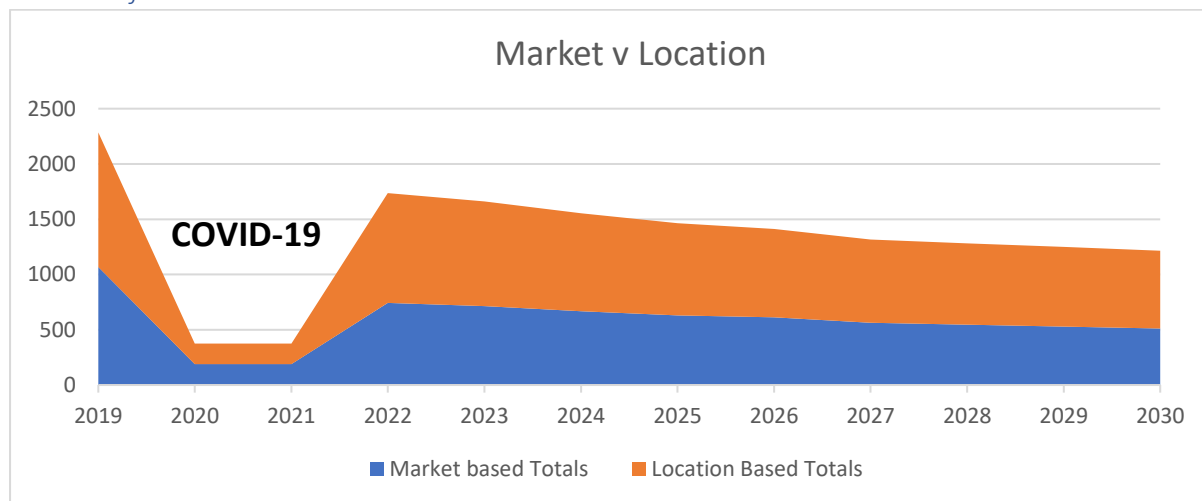


Figure 3 - Estimated Carbon to 2030

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 standard¹² and uses the appropriate Government emission conversion factors for greenhouse gas company reporting¹³.

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) Standard¹⁴.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of ESRI Holdings Limited

Stuart Bonthron

Managing Director

Esri Holdings Limited

Dated: 30 September 2021

¹²[Corporate Standard | Greenhouse Gas Protocol \(ghgprotocol.org\)](https://www.ghgprotocol.org/corporate-standard)

¹³[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)

¹⁴[Corporate Value Chain \(Scope 3\) Standard | Greenhouse Gas Protocol \(ghgprotocol.org\)](https://www.ghgprotocol.org/corporate-value-chain-scope-3-standard)