Carbon Reduction Plan

November 2024

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Supplier name: PTFS Europe Limited

Publication date: 25th November 2024

Commitment to achieving Net Zero

PTFS Europe is committed to achieving Net Zero greenhouse gas (GHG) emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced by PTFS Europe 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: 2018	
Additional Details relating to the Baseline Emissions calculations.	
As a remote-first company with no physical office space, our baseline emissions primarily consist of: • Scope 1: Not applicable (no owned facilities or vehicles). • Scope 2: Carbon-neutral or carbon-negative hosting providers. • Scope 3: Employee home office energy use, cloud service providers, and occasional travel.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	Not applicable (no owned facilities or vehicles).

Scope 2	• Carbon-neutral or carbon-negative hosting providers - 158 servers, 30% at carbon-neutral hostings provision.
	   ○ (Average Power Consumption per Server: 4,000 kWh/year/server 4,000kWh/year/server)
	 • Leased office space 481sqft
	   ○ Energy Consumption per Square Foot: 18.6 kWh/sq ft/year (8,951.4kWh/year)
	
	 Hosting: 103.5 tCO$_2$e/year
	
	 Office: 2.08 tCO$_2$e/year

Scope 3 (Included Sources)	Employee home office energy use, cloud service providers, and occasional travel. **Commuting** - 4.67 tCO$_2$e/year
Total Emissions	**110.25 tCO$_2$e/year**

Current Emissions Reporting

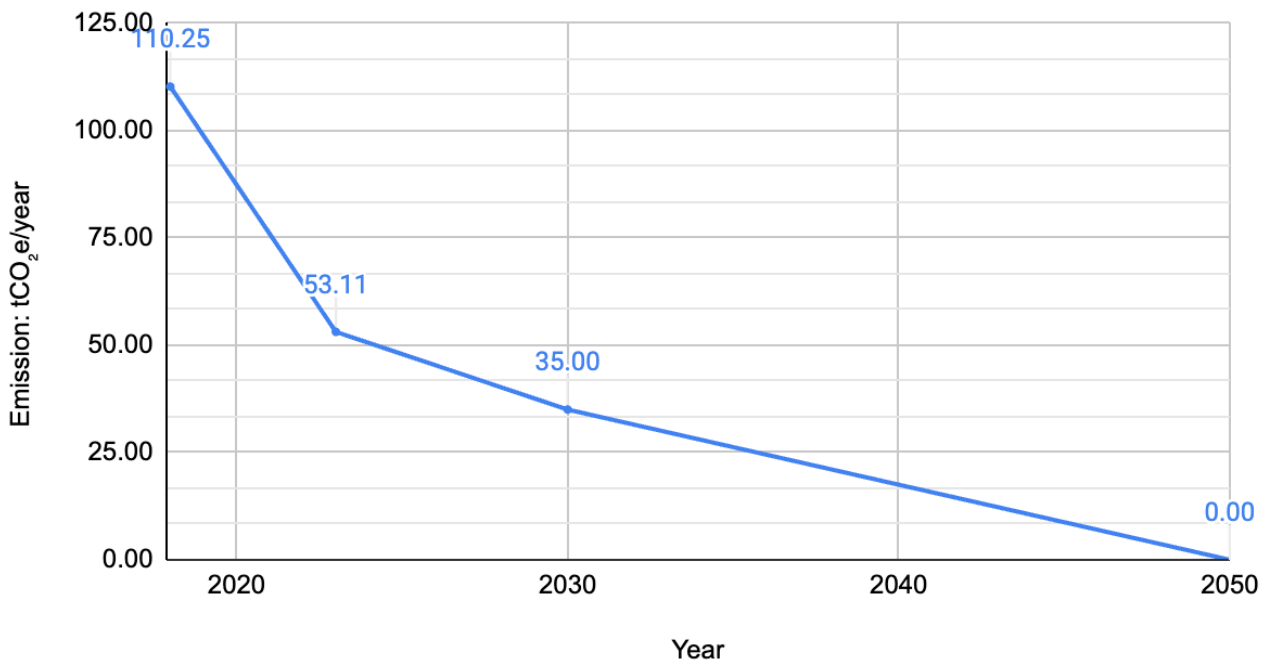| Reporting Year: 2023	
EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	Not applicable (no owned facilities or vehicles).
Scope 2	- Carbon-neutral or carbon-negative hosting providers - 262 servers, 20% at carbon-neutral hostings provision. (Average Power Consumption per Server: 4,000 kWh/year/server 4,000kWh/year/server) - Leased office space 340sqft - Energy Consumption per Square Foot: 18.6 kWh/sq ft/year (6,324kWh/year) **Hosting**: 48.4 tCO$_2$e/year **Office**: 1.47 tCO$_2$e/year
Scope 3 (Included Sources)	Employee home office energy use, cloud service providers, and occasional travel. **Commuting** - 3.24 tCO$_2$e/year
Total Emissions	**53.11 tCO$_2$e/year**

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 35.00 tCO$_2$e/year by 2030. This is a reduction of 34.10%

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

Emission: tCO_2e/year vs Year

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2018 baseline. The carbon emission reduction achieved by these schemes equate to 53.11 tCO_2e/year, a 51.83%ge reduction against the 2018 baseline and the measures will be in effect when performing the contract

The following environmental management measures and projects have been completed or implemented since the baseline year:

1. Adoption of fully remote operations, eliminating commuting and reducing office space emissions.
2. Managed transition to carbon-neutral or carbon-negative hosting providers.
3. Development of energy-efficient open source software to reduce server load and electricity use.
4. Implementation of virtual meeting policies, reducing travel emissions.
5. Encourage more train travel where possible.

These measures have resulted in a carbon emission reduction of 51.64 tCO_2e, equating to a 52.26% reduction against the baseline year.

In the future we hope to implement further measures such as:
1. Encourage employees to adopt renewable energy for home offices.
2. Partner with hosting providers achieving even higher carbon negativity standards.
3. Advocate for sustainable practices in the open-source and library communities.
4. Invest in carbon offset programs tailored to remote-first companies.

5. Working with suppliers to reduce Scope 3 emissions.
6. Continue to encourage the use of public transport, in particular trains.
7. Investigate introducing a preference to be given to hotel accommodation/conference facilities with the highest Green rating.
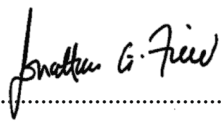
Declaration and Sign Off

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 standard[1] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[2].

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[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:

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Date: 25th November 2024

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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