

Vigilance annual carbon emissions report 2021

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Introduction

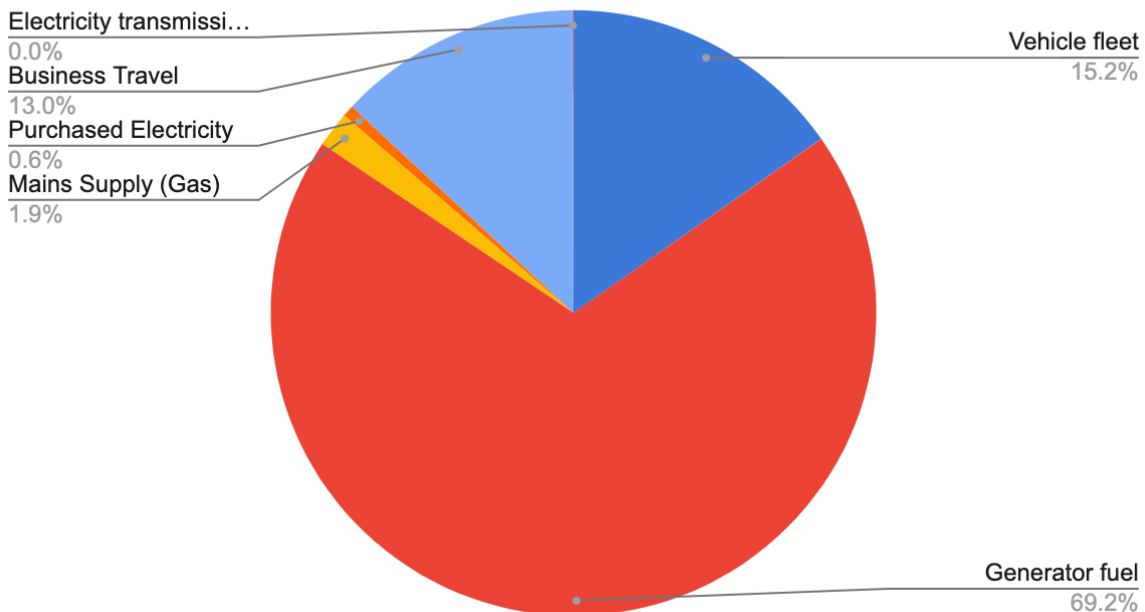
Vigilance is committed to achieving carbon neutrality by 2030 and is seeking ways to reduce our overall carbon footprint. The first step in this process is to calculate and assess the figures now, in order to develop a coherent strategy moving forward. The following report is a summary of our first annual carbon footprint calculation and some potential mitigation measures we can undertake.

Results

The following table breaks down our overall carbon footprint

	GHG emissions 2021 in tonnes of CO2	Percentage of our carbon footprint
SCOPE 1		
Vehicle fleet	17.1	15.2%
Generator fuel	77.6	69.2%
Mains Supply (Gas)	2.123	1.9%
TOTAL SCOPE 1	96.823	86.3%
SCOPE 2		
Purchased Electricity	0.6879	0.6%
TOTAL SCOPE 2	0.6879	0.6%
SCOPE 3		
Business Travel	14.6	13%
Electricity transmission and distribution	0.048	0.042%
Water supply & treatment	0.0105	0.00936%
Waste Disposal	unknown	
TOTAL SCOPE 3	14.66	13.05%

GHG emissions 2021 in tonnes of CO2



Carbon Offsetting

5333 adult trees is the amount required to offset our current GHG emissions. Vigilance has only just begun to explore the possibilities with offsetting but must first look to reduce our carbon footprint by making better, more sustainable choices. Once we get to the position where we cannot reduce our emissions any further, without compromising our day to day business, we will identify solutions to offset our total GHG emissions with a verified carbon offsetting initiative.

Mitigations

Vehicle Fleet

We currently own a fleet of four vehicles, three of which require Diesel as a fuel source and one Petrol. We have undertaken some trials and whilst we cannot completely eradicate fossil fueled vehicles due to the distances we are required to travel, we have assessed that we can operate within the London area using an Electric van instead. As a result, we have one new Maxus van on order which should arrive in March 2022 and will replace one of our older Diesel vehicles. Whilst it is a crude estimate, this should reduce our carbon emissions within our vehicle fleet by nearly a quarter. Vigilance has also inquired about a hybrid solution which we are hoping to purchase and receive towards the third quarter of 2022.

Generator Fuel

69.2% of Vigilance's emissions come from our need for generators at some of the locations we protect. This remains unavoidable, however we are beginning to explore biofuel options as a replacement fuel. If it becomes possible that we can use biofuels exclusively for our Generators, the overall tonnes of CO2 emitted would reduce to 4.8 which is a 93.8% decrease, taking our overall emissions to just 39.36 tonnes.

Gas Supply

Whilst our figures for 2021 reflect the figures of our main office being run on a boiler and central heating system, 2022 should see a significant change in our emissions output. We have recently installed an air source heating system for both the main office and the control room and although the additional office would normally add to our GHG output, by switching to an air source solution our overall figures will still be lowered.

Purchased Electricity

In Vigilance's bid to achieve carbon net Zero, we made the easy decision to switch to a green energy supplier to provide all of our office electricity. Our purchased emissions will likely remain the same, however the transmission and distribution figures will be lower.

Business Travel

Business travel currently makes up 13% of our overall emissions. Vigilance has opted into a salary sacrifice scheme with Octopus energy and is encouraging employees to make the switch to electric vehicles. Vigilance also encourages all employees to use sustainable methods of travel instead such as trains and/or public transport.

Waste Disposal

Whilst we currently have no data on our waste disposal, we have always implemented a recycling policy at Vigilance. In order to monitor what goes to landfill and what gets recycled, we have teamed up with First Mile, who have a zero to landfill policy. We have also written and updated our sustainable procurement policy to ensure any items purchased, get reused or repurposed. This is also asked of our suppliers when onboarding them, and at Vigilance, we will prioritise relationships with like minded sustainable organisations.

Summary

Vigilance is committed to becoming a carbon net zero business, by 2030 and as the figures and mitigation options suggest, we are well on our way to achieving our goal. We have already taken several important steps which will see our overall emissions reduced in 2022 and will identify suitable Carbon offsetting projects within the near future.