

Vertas Group Streamlined Energy and Carbon Reporting.



Date created	24 May 2024
Report prepared by	Kerry Baily, Data Analyst, Planet Mark
Statement	Vertas Group was responsible for the collection of activity and qualitative energy efficiency actions data. The figures in this report relating to emissions, energy consumption, and intensity ratios have been calculated by the Planet Mark using the data provided.
Emissions reporting period	01 April 2023 to 31 March 2024
Emission sources	Electricity, T&D Losses, Natural Gas, Water, Fleet, Business Travel, Waste, Paper, Homeworking (not included in total footprint)
Organisation boundary	Vertas Group (Concertus, Opus People Solutions, Vertas)
Methodology	GHG Protocol Corporate Accounting and Reporting Standard, Planet Mark certification scheme

Source	Scope	Unit	01 April 2022 to 31 March 2023			01 April 2023 to 31 March 2024		
			Amount	Amount (kWh)	Total Emissions (tCO ₂ e)	Amount	Amount (kWh)	Total Emissions (tCO ₂ e)
Building								
Electricity (location based)	2	kWh	302,837.1	302,837.1	58.6	256,399.4	256,399.4	53.1
Electricity (market based)	2	kWh	302,837.1	302,837.1	44.8	256,399.4	256,399.4	6.5
Natural gas	1	kWh/m ³	243,793.9	243,793.9	44.5	69,105.7	69,105.7	12.6
T&D losses	3	kWh	302,837.1		5.4	256,399.4		4.6
Waste								
Recycled	3	tonnes	16.6		0.4	12.5		0.27
Energy from waste	3	tonnes	22.9		0.5	19.7		0.42
Compost	3	tonnes	-		-	6.8		0.06
Anaerobic Digestion	3	tonnes	6.8		0.1	-		-
Water								
Water Supply	3	m ³	2,115.2		0.3	1,790.7		0.3
Water Treatment	3	m ³	1,912.8		0.5	1,728.5		0.3
Fleet Travel								
Vehicle - fleet - diesel	1	km	183,820.9	105,113.7	26.9	-	-	-
Vehicle - fleet - diesel	1	litres	58,727.2	586,066.8	150.2	212,880.1	2,104,319.5	534.8
Vehicle - fleet - petrol	1	litres	-	-	-	29,101.3	260,893.2	61.0
Vehicle - fleet - petrol	1	km	1,621,444.7	995,791.1	238.2	-	-	-
Vehicle - fleet - hybrid	1	km	23,884.3	10,562.6	2.6	-	-	-
Vehicle - fleet - coach	1	km	535,183.1	1,002,076.8	256.8	-	-	-
Vehicle - fleet - van	1	km	3,090,757.2	2,950,401.8	736.6	-	-	-
Vehicle - fleet - PHEV	1	km	36,950.5	10,757.7	2.6	-	-	-
Vehicle - fleet - electric	2	km	18,810.0	4,581.9	0.9	-	-	-
Vehicle - fleet - electricity	2	kWh	-	-	-	1,109.4	1,109.4	0.2
Vehicle - fleet - T&D	3	km	18,810.0		0.1	-	-	-
Vehicle - fleet - T&D	3	kWh	-	-	-	1,109.4	-	0.02
Business Travel								
Grey fleet - diesel	3	km	670,744.0	424,261.0	108.4	615,136.0	403,771.3	102.3
Grey fleet - petrol	3	km	793,477.6	549,116.1	131.3	765,815.7	580,000.7	135.3
Grey fleet - unknown	3	km	130,743.1	90,436.3	22.3	-	-	-
Grey fleet - PHEV	3	km	110,936.9	31,348.8	10.2	1,208.6	316.8	0.1
Grey fleet - hybrid	3	km	49,847.8	23,984.7	5.9	119,997.5	53,452.1	13.1
Grey fleet - electric	3	km	22,187.6	5,404.7	1.1	99,038.1	23,159.5	5.2
Rail Travel	3	pkm	160,810.1		5.7	54,429.7		1.9
Taxi Travel	3	pkm	-		-	1,497.9		0.3
Bus Travel	3	pkm	-		-	177.1		0.02
Diesel Fuel	3	litres	-		-	194,623.9	1,923,857.6	488.9
Procurement								
Paper - Primary Content	3	tonnes	7.6		7.0	1.5		1.4
Paper - Recycled Content	3	tonnes	-		-	0.7		0.53
Total - location based				7,336,535.0	1,817.1		5,676,385.2	1,416.86
Total - market based				7,336,535.0	1,803.3		5,676,385.2	1,370.3
Intensity Metric								
Intensity Metric			Total	Total tCO₂e	Intensity	Total	Total tCO₂e	Intensity
Total per £m turnover - location based			124	1,817.1	14.6	202	1,416.9	7.0
Total per £m turnover - market based			124	1,803.3	14.5	202	1,370.3	6.8
Total per employee - location based			3,215	1,817.1	0.6	1,615	1,416.9	0.9
Total per employee - market based			3,215	1,803.3	0.6	1,615	1,370.3	0.8
Comparison								
Location based						Comparison tCO₂e	Change	
Market based						-400.2	-22.0%	
						-433.0	-24.0%	

* Where relevant the Net CV emission factors have been used to calculate the total kWh associated with fuel use. Net CV or lower heating value (LHV) is the useful calorific value in typical real-world conditions.

	Year to 31 March 2024	Year to 31 March 2023
Total Energy Consumption (kWh)	5,698,267.6	7,336,535.0
Scope 1 Emissions (tCO ₂ e)	608.4	1,458.4
Scope 2 Emissions (tCO ₂ e location based)	53.3	59.5
Scope 3 Emissions (tCO ₂ e)	755.1	299.2
Total Gross Reported Emissions (tCO ₂ e)	1,416.9	1,817.1
Intensity Ratio: Turnover (tCO ₂ e / £m)	7.0	14.6

Energy Efficiency Actions

Vertas Group has successfully certified to The Planet Mark for the reporting period 01 April 2023 to 31 March 2024 which is Vertas Group's third year of certification. The Planet Mark is a sustainability certification that recognises continuous improvements, encourages action, and builds an empowered community of like-minded individuals. Vertas Group also make a commitment upon certification of the Planet Mark to achieve a minimum 2.5% reduction in their measured carbon footprint year on year.

Vertas Group's location-based emissions have decreased by 22.0% compared to the year ending 2023. This has been achieved through multiple energy efficiency actions in the reporting period, across the organisation.

Following Vertas' buildings roadmap, they looked for a more energy efficient premises for the team at Oakpark Security, and vacated the Asset House site. The team moved in to a new site on 01 May 2023. The new site is only few years old and has an EPC rating of B (27). With better insulation, LED lighting and new windows, as well as a better heating and cooling system, the team are using less energy. Unlike the previous Oakpark Security site, the new site also does not use natural gas. Furthermore, Vertas Group have actively been researching newer, more energy efficient locations for their four depots: Phoenix House depot, Eastern Way depot, Rougham depot, and Lowestoft depot, which are to be occupied from mid-2024. At the end of year end 2023, Vertas Group vacated their Beacon House site; as this site has a significant amount of natural gas consumption associated with it, we also see the impact from vacating this site reflected in the year end 2024 reporting. Lastly, Concertus moved its Matlock site partly through the 2024 reporting period into a more energy efficient building.

At the Bailey Close site, the lighting used has been switched over to LED lighting as per Vertas Group's roadmap actions. And furthermore, for this site, Vertas Group has switched to a 100% renewable energy tariff as of 01 April 2024, which can be reflected in the year end 2025 market-based emissions.

Vertas Group have worked hard this year to transform their fleet, and are extremely proud to announce that as of 31 March 2024, are 100% pure electric in their pool car fleet. This consists of 47 fully electric vehicles and includes the EVs their Board of Directors have. Further progress with fleet includes the fleet per team which is also improving, with having introduced 2 hybrid vehicles in the security team fleet. The first electric van has been introduced to the fleet for the facilities maintenance team, and another electric van has also been trialled in the reporting year. Vertas Group also sold their tractor in this reporting year, and so a reduction in Scope 1 emissions has resulted from this. Overall, Vertas Group have developed a smarter approach to their fleet, whereby vehicles are shared across teams to avoid the requirement to take out less new leases. Also, Vertas Group is reporting on "green driving" results, and actively providing support and training to those who's tracking suggests that they not "green drivers".

Vertas Group have also made efforts in encouraging its employees to make greener choices in regard to commuting methods. This includes introducing a Flexible Working Policy which is shared with all staff, and encourages car sharing, remote meetings, walking, cycling and taking public transport. Vertas Group have a cycle to work scheme for all staff, which could save staff up to 42% on bicycles and equipment; they also have an on-site cycle store, where staff can leave their bicycles secure. Vertas Group are part of the First Bus Employers Discount Scheme, the Commuters Club and have shared details on how to apply for this and find timetables. All staff can show their ID Cards when boarding Ipswich buses to travel for free and details of timetables have been shared with staff, along with other buses which are free outside of work hours and weekends.

Vertas Group are also making efforts in a direction to becoming paperless, something which has been completed in 30% of their teams, and has been reflected in a reduction in paper emissions in this reporting year. Vertas Group used national recycling day to launch a large campaign with updated signage and educating colleagues about reduce, reuse and recycle.