

Glendale Managed Services Ltd



**PAS 2060:2014 Specification for the
Demonstration of Carbon Neutrality**

**Qualifying Explanatory Statement
2022**

**PAS 2016:2014
Other Party Validation**

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Section 1: Introduction


This document forms the Qualifying Explanatory Statement that demonstrates Glendale Managed Services Ltd has achieved carbon neutrality in accordance with PAS 2060:2014 at 31st December 2022 and is committed to maintain to 31st December 2023, Other Party Validation.

PAS 2060 Requirement	Information as it relates to Glendale
Entity making PAS 2060 declaration:	Glendale Managed Services Ltd (including its subsidiaries Glendale Countryside Ltd and Glendale Grounds Management Ltd) hereafter referred to as Glendale.
Subject of PAS 2060 declaration:	Glendale's sites and operations including Head Office, operational depots and operational activities for which Glendale has control of fuel and energy consumption, as well as business travel (including company cars, commercial vans/trucks and business travel in privately owned cars) and a limited amount of home working for Head Office staff. ¹
Description of Subject:	Glendale is a privately owned Grounds maintenance company which offers an all-encompassing green space management service at a national and local level.
Rationale for selection of the subject:	The scope and subject of this PAS2060 QES includes all emissions based on the operational control principle defined in the WBCSD/WRI GHG Protocol – A Corporate Accounting and Reporting Standard (Revised Edition, March 2004). Glendale has measured the footprint for the entire organisation, and set company wide, effective reduction objectives relative to our baseline year..
Type of conformity assessment:	Other Party Validation
Baseline date for PAS 2060 programme:	1 st January 2021 - 31 st December 2021
Achievement period:	1 st January 2022 - 31 st December 2022
Commitment period:	1 st January 2023 - 31 st December 2023
Individuals responsible for evaluation and provision of data necessary for declaration:	Rebecca Jackson - Purchasing Manager Stuart Darbyshire - Commercial Director Nicholas Darwell - Systems Development Manager


¹ Home working reported for the first time in 2022 calculations

This Qualifying Explanatory Statement contains information pertaining to the subject's carbon neutrality. Any and all information herein is believed to be correct at the time of issue. Should any information come to light that would affect the validity of the statements herein, this document will be updated to accurately reflect the current status of any carbon neutral statement made by Glendale.

Section 2: Declaration of Achievement of Carbon Neutrality

PAS 2060 Requirement	Glendale Response
Declaration of achievement:	Carbon Neutrality of Glendale Managed Services Ltd was achieved in accordance with PAS 2060 at 21 April 2023 for the period 1st January 2022 to 31st December 2022. This was validated by Be Sustainable Limited on 21 April 2023 declared.
Period during which the entity is demonstrating carbon neutrality of the subject has been achieved:	Application period (AP2): 1 st January 2022 - 31 st December 2022
Recorded carbon footprint of the subject during the period stated above:	4,440 tCO_{2e}
Which PAS 2060 recognised methodology has been followed to achieve Carbon neutrality?	WBCSD/WRI GHG Protocol – A Corporate Accounting and Reporting Standard (Revised Edition, March 2004).
How have reductions in the GHG emissions during the period been achieved?	Internal reductions, switch to renewable electricity supply, electrification of company car fleet (and commercial where appropriate) and offsetting.
Location of GHG emissions report supporting this claim:	Section 4
Location of the Carbon Footprint Management Plan:	Section 5
Location of the details describing the carbon offsets:	Section 6
Location of the details describing internal reductions achieved:	Section 5
Name of Senior Representative:	Alex Paterson Managing Director
Senior Representative Signature:	

Section 3: Declaration of Commitment to Carbon Neutrality

PAS 2060 Requirement	Glendale Response
Period during which the entity commits to maintaining carbon neutrality of the subject:	1 st January 2023 – 31 st December 2023
Chosen method, as recognised by PAS 2060, to be followed to achieve Carbon neutrality:	WBCSD/WRI GHG Protocol – A Corporate Accounting and Reporting Standard (Revised Edition, March 2004).
Prior commitment to carbon neutrality made by entity:	Yes, AP1: 1 st January – 31 st December 2021 AP2: 1 st January – 31 st December 2022
Carbon footprint of the subject for historic reductions period (immediately prior to the start of the commitment):	4,440 tCO _{2e}
Location of GHG emissions report supporting this claim:	Section 4
Location of the Carbon Footprint Management Plan:	Section 5
Name of Senior Representative:	Alex Paterson Managing Director
Senior Representative Signature:	 April 2023

Section 4: Greenhouse Gas (GHG) Emissions Report

Methodology: PAS 2060 requires every individual/organisation to provide an appropriate carbon footprint breakdown by scope in their Qualifying Explanatory Statement (QES). This scope has been calculated in accordance with the Greenhouse Gas Protocol guidelines. The organisational footprint breakdown covers 100% of Glendale's scope 1 and 2 emissions. Scope 2 emissions are calculated using the location based methodology. Scope 3 emissions are also included, where feasible. If excluded, an explanation is provided below. The relevant conversion factors applied are taken from the DEFRA/BEIS UK Government GHG Factors for Company Reporting (June 2022).

Greenhouse Gas (GHG) Emissions

Initial position - assuming all electricity is fossil fuel generated

Scope	2021	2022	% Change
Scope 1 (Direct)	3,419.18	3,544.88	3.68%
Scope 2 (Indirect)	122.55	107.49	(12.29%)
Scope 3 (Other)	896.11	912.72	1.85%
Total tCO₂e	4,437.83	4,565.09	2.87%
Carbon intensity metric (tCO₂e per £1000 turnover)	0.113	0.097	(14.52%)

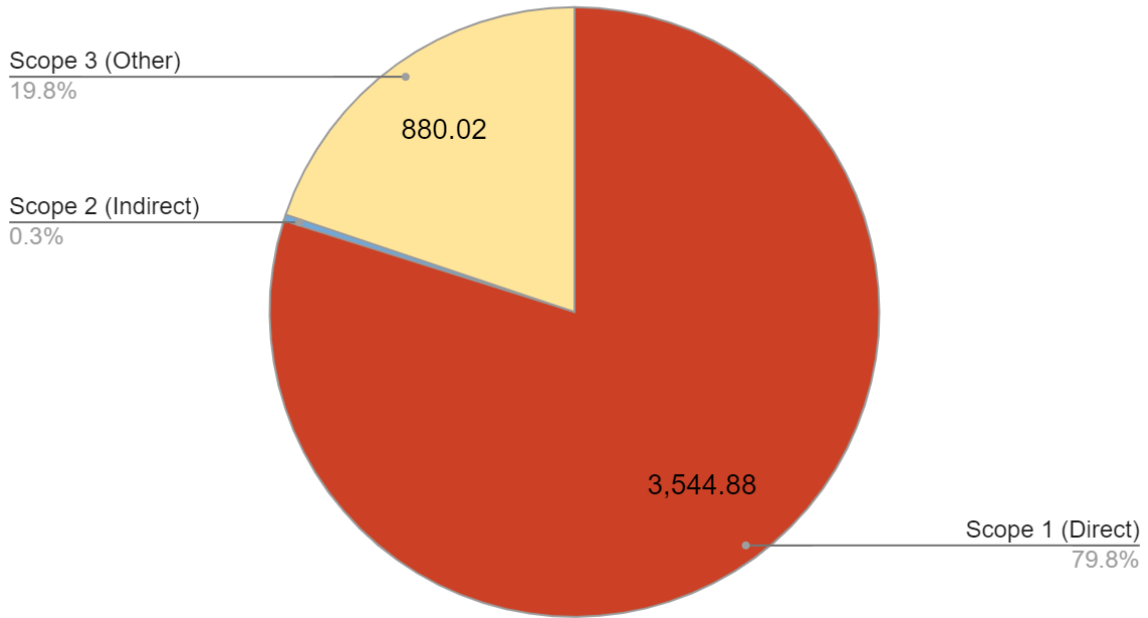
Final position - after the green energy deduction

Scope	2021	2022	% Change
Scope 1 (Direct)	3,419.18	3,544.88	3.68%
Scope 2 (Indirect)	122.55	14.65	(88.04%)
Scope 3 (Other)	896.11	880.02	(1.80%)
Total tCO₂e	4,437.83	4,439.55	0.04%
Carbon intensity metric (tCO₂e per £1000 turnover)	0.113	0.094	(16.87%)

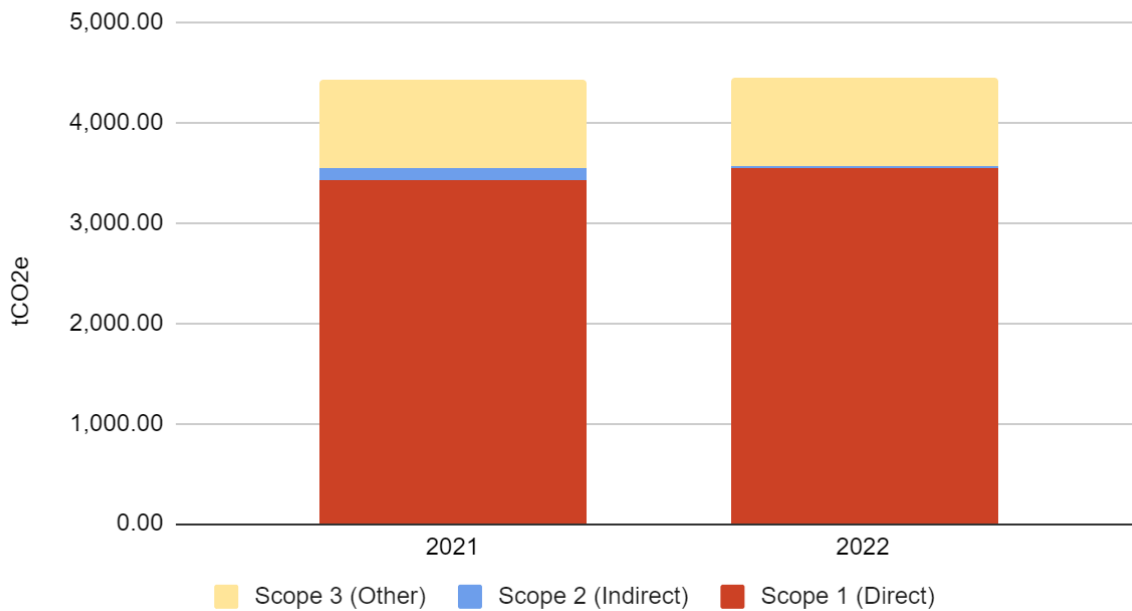
- Electricity consumed relates to 540,557.80 kWh of which 86% controlled directly by Glendale was purchased via a renewable energy tariff.

GHG Emissions by Scope (Current Yr 2022)

2022 tCO₂e - Carbon Footprint (inc. Green energy deduction)



2022 tCO₂e - Carbon Footprint (inc. Green energy deduction)



Key Assumptions

Description	Assumptions
Fuel Card Data - provided by -supplier	Includes white diesel, petrol, LPG, red diesel & lubricants all of which are included in the source data. LPG, red diesel and lubricants are unusual forecourt purchases but have been included as per the source data for transparency purposes. Included both Scope 1 (combustion) and Scope 3 well to tank (WTT) for all fuel card transactions.
Bulk Fuel purchase data - provided by supplier	Includes white diesel, red diesel, kerosene & lubricants all of which are included in the source data. Lubricants purchases have been included as per the source data for transparency purposes. Included both Scope 1 (combustion) and Scope 3 (WTT) for all bulk fuel transactions.
Mileage Data - source data relating to business mileage for both company and personal vehicles (employee mileage claims provided by our finance department)	For company cars (Scope 1), and personal cars (Scope 3), the exact car size (based on engine size) and fuel type was used to decide the conversion factor. Also included Scope 3 (WTT) for all business mileage. Company electric vehicle emissions calculated using the UK Electricity for EVs (Scope 2) and UK electricity T&D for EVs (Scope 3) Note: Train and air travel is excluded as we do not use these modes for business.
Utilities Data - taken from utility invoices collated by energy broker	Electricity - included Scope 2 (generation), Scope 3 (T&D- UK electricity), Scope 3 (WTT- UK electricity (generation) & Scope 3 (WTT- UK electricity (T&D)). All Glendale controlled sites were moved to Renewable Energy Guarantees of Origin (REGO) backed electricity tariffs in 2022 - we have calculated our total kWh and deducted the necessary amount of tCO ₂ e covered by this. Natural Gas - included both Scope 1 (combustion) and Scope 3 (WTT). For Glendale Head Office (Stables) we have removed 50% of the gas / elect. usage as we share the building with another business. Some client sites are not billed directly, however we have estimated usage based on floor area and activity.
Home Working	The 2022 calculation includes Homeworking which wasn't included in 2021. This small amount has minimal impact (0.15% of total) in 2022 reporting
Other	Other aspects of Scope 3 emissions have been excluded as they are deemed non material to our organisation. Glendale's own waste generation has not been included in the totals as it is estimated to be less than 1% of the total. All collected waste is the clients', including green waste and litter. Water consumption has not been included in the totals as it is estimated to be less than 1% of the total.

Data Quality

Confidence in the quality of the data supporting this GHG assessment is high. Glendale source the majority of the data directly from suppliers, has developed an inhouse Carbon Report and dashboard for monitoring and reporting this information on a regular basis. This data has been verified by Be Sustainable Limited.

It is believed that all carbon emissions are accounted for across the defined scope (see above) and boundary, the majority of which are based directly on utility bills/metering readings, and miles completed or derived from fuel consumed.

Changes this year

The Scope of the business remained the same, the main changes are the inclusion of Home Working (6.67 t CO₂e), and more accurate reporting of personal car use by vehicle type. Glendale has improved greenhouse gas reporting for 2022, which has meant that some elements previously omitted have been included in this year's calculations (home working and personal vehicles). There has been an increase in business turnover (20%) which has resulted in an increase in the overall carbon footprint, however, improvements in processes and efficiencies has meant that the intensity ratio has improved compared to the previous year.

Section 5: Carbon Footprint Management Plan

Statement of commitment to carbon neutrality for the defined subject:

Glendale commits to maintain carbon neutrality for the organisation in accordance with PAS 2060 for the period commencing on 1st January 2023 declared.

An ISO 14001 certified environmental management system has been in place for operational and head office activities since 2003 in which objectives are set to reduce waste, energy and carbon emissions. This Carbon Management Plan (CMP) outlines Glendale's approach to carbon reduction for the period January 2023 - December 2023, whilst also outlining the strategy to meet longer-term targets. Glendale recognises the importance of adopting a long-term view on carbon management as some reductions can only be achieved by taking advantage of new opportunities as low emission technology and machinery becomes more widely available and reliable.

The Carbon Management Plan with targets for Carbon reduction up to 2027 is outlined below.

Targets (measured against the 2021 baseline figures) for GHG reduction for the defined subject appropriate to the timescale for achieving carbon neutrality:

Goal 1:	Reduce Scope 1 emissions through continued electrification of fossil fuelled vehicles and machinery (20% by 2025)
Goal 2:	Glendale will reduce Scope 2 carbon emissions by 100% by 2024 from baseline via the procurement of solely green energy
Goal 3:	Glendale will reduce Business travel by 10% per year from the 2021 baseline to 2027.
Goal 4:	Glendale will further reduce emissions by procuring 'Green gas' at all depots using gas by 2024 (<i>New goal for 2023</i>)

Historical Carbon Management Plan Progress for the Previous Period

Carbon management plan progress to date is outlined below:

Goal	Actions	Target Date	Progress
Goal 1	<p>All new company cars to now be hybrid/electric</p> <p>All new pedestrian machinery to be battery powered.</p> <p>Move commercial vehicles as and when viable technology becomes available - starting with small vans.</p> <p>Development of a routing App (Route Alpha) to allow for more efficient journey planning.</p>	<p>End of 2024</p> <p>End of 2025</p> <p>Ongoing</p> <p>End of 2023</p>	<p>Achieved in 2022</p> <p>Ongoing - supply issues in 22/23 meant the reduction this year was not as great as we had anticipated</p> <p>Ongoing - 8 new electric vans in 2022</p> <p>Date amended slightly, technical issues linking with our vehicle trackers have delayed completion</p>
Goal 2	<p>Switch all property to renewable energy: Energy brokers have switched to REGO backed tariffs for all property on renewal date at the end of 2021</p>	<p>End of 2024</p>	<p>Realistically amended date to 2024 - all Glendale managed sites now green but some locations energy not managed by us so assumed non renewable. 88.04% reduction on baseline (intensity ratio) for 2022</p>
Goal 3	<p>More video conferencing etc. to reduce business mileage: Covid Pandemic and enforced lockdowns have highlighted that more can be done remotely than previously thought. Regional and national meetings can now be held via video conference, reducing the need for long journeys</p>	<p>Ongoing</p>	<p>Ongoing</p>
Goal 4	<p>Procure 'Green Gas' at depots</p>	<p>End 2024</p>	<p>New goal in 2022</p>

Section 6: Carbon Offset Strategy

The following information covers the confirmed offset strategy adopted to meet the achievement of the carbon neutrality element of PAS 2060.

These instruments are retired on an annual basis to cover operational emissions for the previous 12 month period. Details of those retired for the period of carbon neutrality are included below:

Carbon instruments retired in the period of carbon neutrality

4,440 carbon credits relating to this period were offset.

100% of these credits were verified to the Clean Development Mechanism (Certified Emissions Reductions). Offsets purchased via the [United Nations Carbon offset platform](#)

The Certified Emission Reductions (CERs) offered on this platform are recorded and tracked in the Clean Development Mechanism (CDM) registry operated by the UN Climate Change secretariat. Voluntary cancellation, also referred to as cancellation, is the process in the CDM registry by which CERs are taken out of circulation, preventing any further use.

Period	Project name	Country	Project type	Standard	Total Credits
This period 2022 (AP2)	Babanpur, Killa and Sahoke Mini Hydroelectric Projects (Project 329)	India	Hydropower	CDM	4,440
Previous period 2021 (AP1)	Qinghai Maqin Gequ Level 2 Hydropower Station (Project 7507)	China	Hydropower	CDM	4,438

Statement on the fact that PAS 2060 other party validation has been provided by a third-party verifier:

Glendale's GHG Footprint, QES and proof of purchase of credits as stated above has been verified by Be Sustainable Limited in accordance with the requirements of PAS 2060.

Carbon Neutrality of Glendale Managed Services Ltd was achieved in accordance with PAS2060 at 21 April 2023 for the period 1st January 2022 to 31st December 2022. This was validated by Be Sustainable Limited on 21 April 2023 declared.

We will present progress against our target in our annual report. In order to properly report our emission reduction progress as the company grows, we will also report our carbon footprint as an intensity ratio against our annual turnover. In addition, we will continue to report on the impact of our other main sources of emissions and implement targets to improve as part of our ISO14001 certification.