



XL Joinery

West Yorkshire Retail Park
Holden Ing Way
Birstall
West Yorkshire
WF17 9AD

Qualifying Explanatory Statement (QES) in support of PAS2060:2014 **2020**

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Introduction


This document forms the Qualifying Explanatory Statement to demonstrate that XL Joinery has achieved carbon neutrality under the guidelines of PAS 2060:2014 and is further committed to maintaining carbon neutrality, under the guidelines.



Section 1: General Information

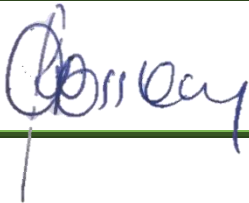
PAS 2060 Requirement	Response
Entity making PAS 2060 declaration:	XL Joinery
Subject of PAS 2060 declaration:	The Warehouse, Offices and Delivery fleet operated by XL Joinery in the UK
Description of Subject:	XL Joinery are a market leading supplier of wooden doors and associated products. Our brand can be found in the most prestigious names in Builders Merchants and Retail sectors across the UK. We have been operating from our Head Office in West Yorkshire for over 27 years and have been helping homeowners transform homes and offices through innovation and a constantly evolving product range. Operating from our 6 acre site, we have almost 100 employees and supply in excess of 500,000 joinery products every year.
Rationale for selection of the subject:	The scope and subject of this PAS 2060 statement includes the major emissions, based on the initial findings of the <i>XL Joinery - Carbon Neutral Team</i> being petrol, diesel, gas and electricity consumption
Type of conformity assessment:	Independent 3 rd Party Certification
Baseline date for PAS 2060 programme:	1 st September 2020 – 31 st August 2021
Individuals responsible for evaluation and provision of data necessary for declaration:	David Crossley

Section 2: Declaration of Commitment to Carbon Neutrality

PAS 2060 Requirement	Response
Declaration of commitment:	1 st September 2020 – 31 st August 2021
Carbon footprint of the subject for the period immediately prior to the start of the commitment:	445.3 tCO₂e
Carbon footprint reduction target for period.	XL Joinery forecast a 10% reduction through 2021... reducing our emissions by a further 45 tCO₂e
Location of GHG emissions report supporting this claim:	Section 4
Location of the Carbon Footprint Management Plan:	Section 5
Name of Senior Representative	Signature
Name: David Crossley Role: Continuous Improvement Manager Date: 20 th October 2020	



Section 3: Declaration of Achievement of Carbon Neutrality

PAS 2060 Requirement	Response
Declaration of achievement:	1 st September 2020 – 31 st August 2021
Recorded carbon footprint of the subject during the period stated above:	445.3 tCO ₂ e
Location of information supporting claims:	Appendix A
Location of the details describing internal reductions achieved:	Appendix B
Location of the details describing the carbon offsets:	n/a
Name of Senior Representative:	Signature
Name: David Crossley Role: Continuous Improvement Manager Date: 20 th October 2020	

Section 4: Carbon Footprint Breakdown

Methodology

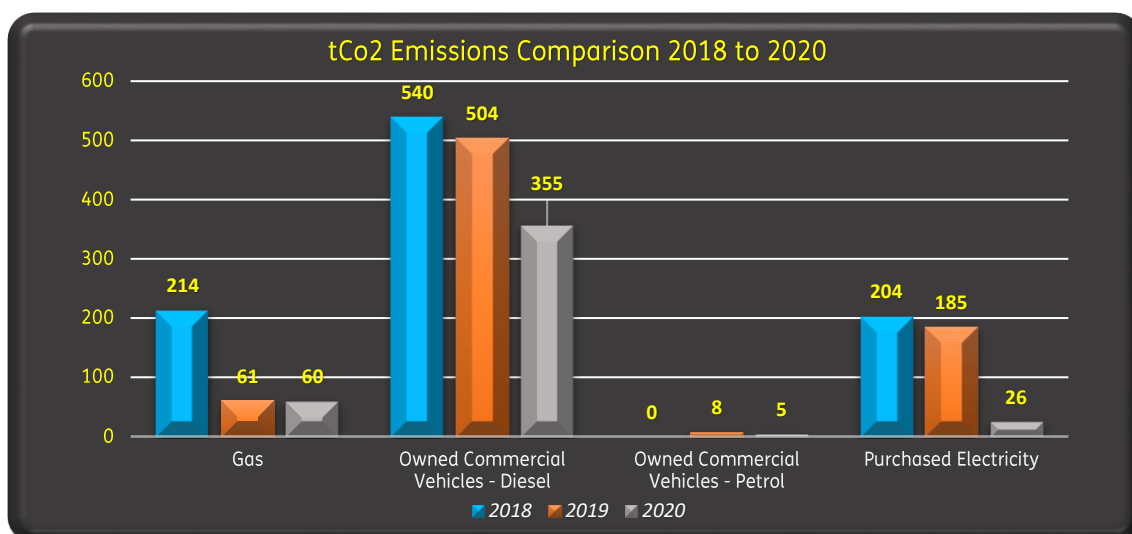
XL Joinery's Carbon Footprint Assessment Methodology has been informed by, and complies with, the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard and Greenhouse Gas Reporting conversion factors provided by DEFRA.

The Methodology employed by XL Joinery shall, as far as possible, minimize uncertainty and will yield accurate, consistent and reproducible results.

The data below has been verified through meter readings and invoices for the Gas and Electricity figures. The Owned Commercial Vehicle figures were verified by fuel card data. Whilst every reasonable precaution has been taken, there is the possibility for a very small margin of error from such instances of conversion from 'estimated' to 'actual' meter reads.

We accept that there may be small inaccuracies, for the commercial vehicles, given instances where an employee may not have used a fuel card etc., however these instances are rare and have a negligible difference in our overall emissions.

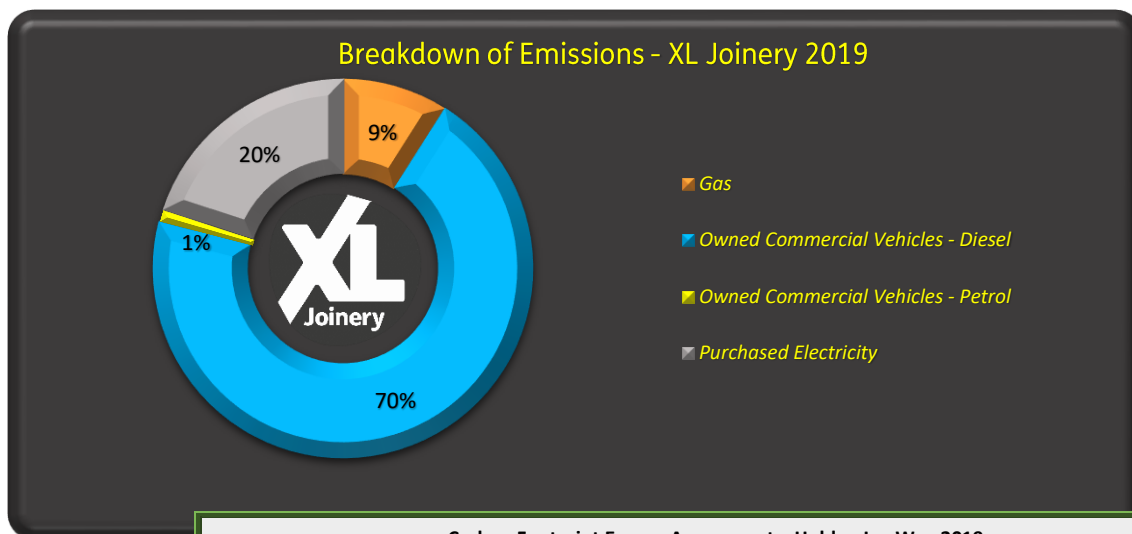
Breakdown of XL Joinery's Carbon Emissions 2018 to 2020





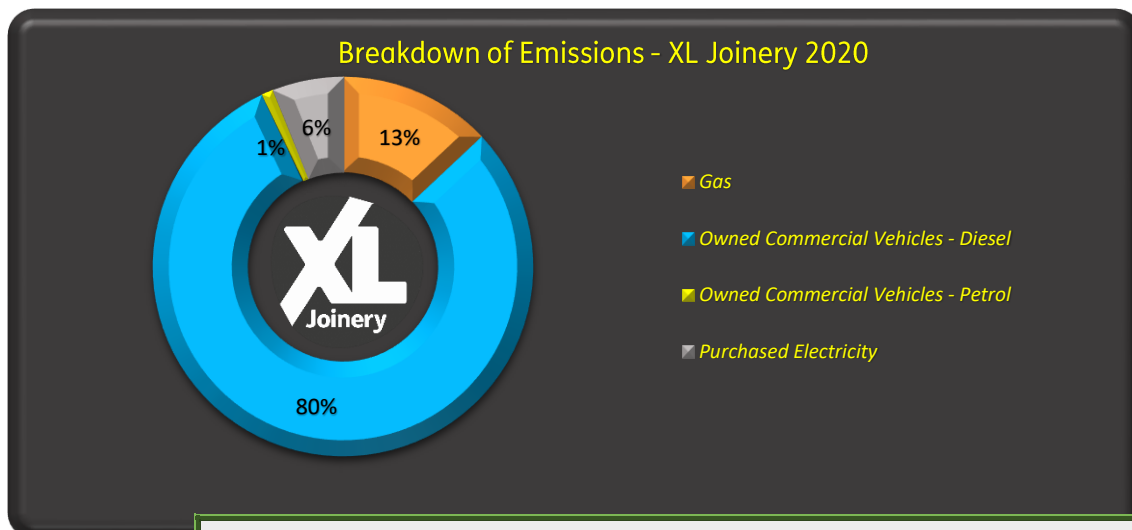
Breakdown of XL Joinery's Carbon Emissions

Appendix – A



Carbon Footprint Energy Assessment – Holden Ing Way 2019					
Emissions Type	Emission source	Emission Factor	Emissions tCo2e	Purchased kwh/yr.	%
Scope 1 (Direct Emissions)	Gas	0.18385	61.10	332381.00	9%
	Diesel vehicles	2.59411	503.00	193897.47	70%
	Petrol vehicles	2.20904	7.60	3443.00	1%
	Sub Total	n/a	571.70	529721.47	80%
Scope 2 (Imported Energy)	Electricity	0.2773	146.20	527211.70	20%
	Sub Total	n/a	146.20	527211.70	20%
Total		n/a	717.90	1056933.20	100%

Appendix – B



Carbon Footprint Energy Assessment – Holden Ing Way 2019					
Emissions Type	Emission source	Emission Factor	Emissions tCo2e	Purchased kwh/yr.	%
Scope 1 (Direct Emissions)	Gas	0.18387	59.80	325176.00	13%
	Diesel vehicles	2.54603	355.30	139564.20	80%
	Petrol vehicles	2.16802	4.60	2124.20	1%
	Sub Total	n/a	419.70	466864.40	94%
Scope 2 (Imported Energy)	Electricity	0.325	25.59	78766.90	6%
	Sub Total	n/a	25.59	78766.90	6%
Total		n/a	445.29	545631.30	100%



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Section 5: Carbon Footprint Management Plan

Introduction to XL Joinery

XL Joinery are a market leading supplier of wooden doors and associated products, our brand can be found in the most prestigious names in Builders Merchants, DIY outlets across the UK.

2020 has demonstrated significant challenges for the UK economy, indeed globally the impact of the Coronavirus Pandemic has been felt throughout all walks of life, with business receiving a particularly significant blow.

During these times, XL Joinery remained operational and we continued in our drive to bring Co2 emission reduction throughout the business.

Although at times fragmented, our XL Carbon Neutral team continued to come together and proactively work together towards verification of our emissions and Carbon Neutral certification.

Having demonstrated an emissions reduction of 240 tCO₂e throughout our carbon year, September 2018 to August 2019, we were delighted to receive certification of 718 tCO₂e for our year two application. Our colleagues were obviously thrilled at such a tremendous achievement and they remain extremely positive in their support

We offset our remaining CO₂ emissions with sponsorship of projects across the globe, from the Borehole Rehabilitation Project in Uganda to the Nanyang Danjiang River Solar Cooker Project in provincial China.

We were again delighted to be able to contribute significant sponsorship to the Mariposas Hydroelectric Renewable Energy project in Chile, offsetting 400 tCO₂e

Key achievements:

- ☛ We have explored a number of avenues looking at renewable energy as a replacement to our previous fuel supply. We have progressed scrutiny of 'Green' Tariffs and have a deal signed to provide XL Joinery with REGO (Renewable Energy Guarantee Origin) backed electricity from November 2019
- ☛ We have installed a 'timer' programme to 15 of our 20 electric MHE vehicle charging points. This project delivers a very controlled amount of charge to the Fork Lift Trucks, warehouse cleaning vehicle and Scissor Lift..... no unnecessary, energy consuming battery overcharge. Through this initiative, we have demonstrated constructive energy reduction, whilst maintaining the plant batteries in peak condition.

Business Adjustment:

- ☛ Our Commercial Truck fleet and Territory Management vehicles were stood down for a period in Q2 demonstrating reductions in diesel fuel and petrol consumption.

Future initiatives:

- ☛ We are continuing to drive an emissions saving initiative to install Solar Panels to an area of the Goods Inwards building, feeding to an inverter which will channel the energy direct to site; thus beginning the journey to an energy independent XL Joinery from renewable sources.
- ☛ 2021 will see XL Joinery switch to a 'Green Gas' supply for our site gas requirements, for building heating and drying oven equipment in our production workshops'.
XL Joinery will embrace advances in Bio-methane initiatives, also known as '**green gas**'. Such gas is produced from processes of anaerobic digestion of organic materials and landfill gas, as it recycles carbon that is already in the environment, its use is Carbon Neutral and brings about significant benefits for the environment.



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Section 6: Carbon Offsetting Strategy

Our Carbon Neutral team will research various offset projects being careful in consideration of the following criteria:

- ✎ Providing structure to Corporate and Social Responsibility (CSR) activities
- ✎ Giving back to local communities where our business is being done and where our products are sourced
- ✎ Helping to reduce global CO₂ emissions
- ✎ Helping to enhance developing countries – economic, social & communities
- ✎ Fostering local community relations
- ✎ Helping to build XL Joinery's brand reputation
- ✎ Engaging with our staff and enthusing internal teams
- ✎ Helping win in competitive tender situations
- ✎ Differentiating ourselves from competitors
- ✎ Balancing out unavoidable emissions and becoming Carbon Neutral

We will present the findings of our research to XL Joinery colleagues and ask for their involvement to choose where they would like to see the Business invest in the drive to reducing global CO₂ emissions

Kenya Tree Planting

Type: Reforestation

Country: Kenya

tCO₂ offset amount = 200 tCO₂e



This project provides an opportunity to plant trees in Kenya, for each tCO₂ being offset, one native tree is planted in the Great Rift Valley, Kenya. Over the last ten years, the project in Kenya has planted over 170,000 trees and rehabilitated over 160 hectares of the forest helping in restoring the water catchment ecosystem function of the forest. While doing this, over 20 community members who directly work in the forest make their livelihoods from the project. Many more from their families benefit from being dependent on them. The project includes an empowerment scheme, where the members are now owners of dairy cows from which they get additional income from the sale of milk to their villagers. The project is strongly focused on empowering women, who make up over 50% of the project team.

More information online: <http://www.carbonfootprint.com/plantingtreesinkenya.html>
<http://www.carbonfootprint.com/vcstreebuddy.html>

Production and Dissemination of Ceramic Water Purifiers in Cambodia

Type: Clean Drinking Water

Country: Cambodia

tCO₂ Offset amount = 100 tCO₂e



In Cambodia, nearly two million rural households do not have access to safe, potable water. While boiling water helps reduce exposure to water-borne diseases, the indoor air pollution created by wood fires can cause serious respiratory and heart problems, especially for children. This fuel use also significantly contributes to Cambodia's increasing rate of deforestation. Hydrologic, an award winning Cambodian social enterprise, is providing access to clean, safe drinking water to more than 1 million Cambodian families by locally produced ceramic water purifiers.

More information online: https://www.carbonfootprint.com/cambodia_water_filter.html

Solar Power Project in Philippines

Type: Renewable Energy – Solar Power

Country: Uganda - Philippines

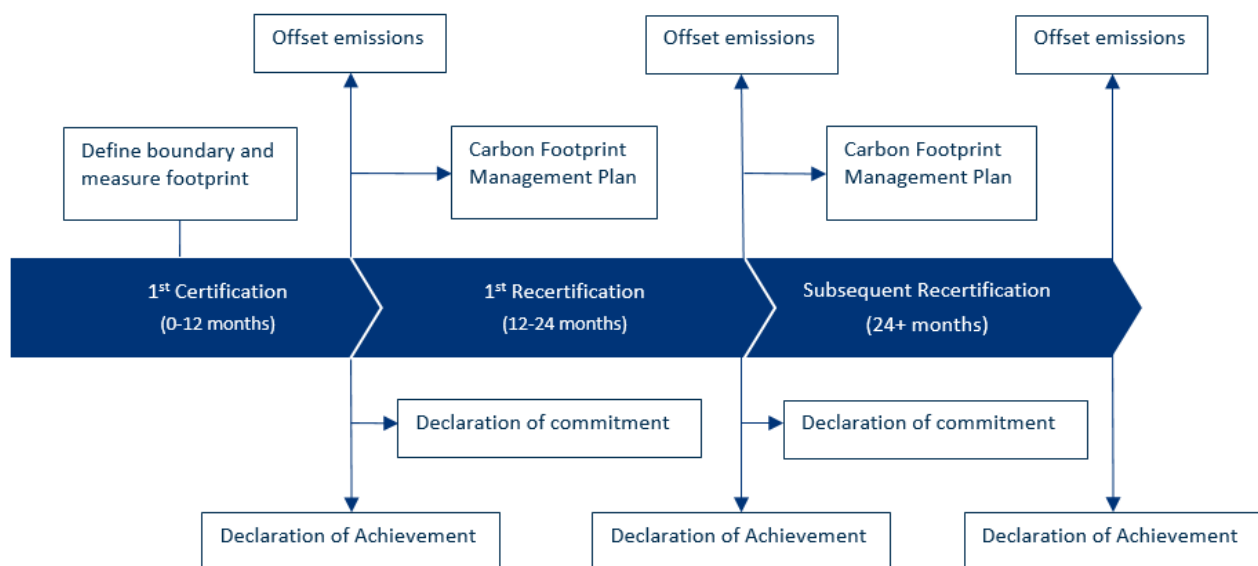
tCO₂ Offset amount = 146 tCO₂e



This solar power project is located on Negros Island and involves the installation of 32MW La Carlota Solar Power PV Plant and 48MW Manapla Solar Power Plant. The purpose of the project activity is to generate power using renewable solar energy and provide daytime power to the grid throughout the year. The Philippines produces most of its energy using fossil fuels, and this project is one of the first in a new generation of renewable energy projects that seek to reduce the country's reliance on imported fuel that is damaging the environment. The project is expected to offset 66,039 tCO₂e per annum. Through community engagement activities with the local government of La Carlota and Manapla, the project team has supported several initiatives including tree planting, water well, communal toilet facilities and blood-letting facilities.

More information online: https://www.carbonfootprint.com/philippines_solar.html

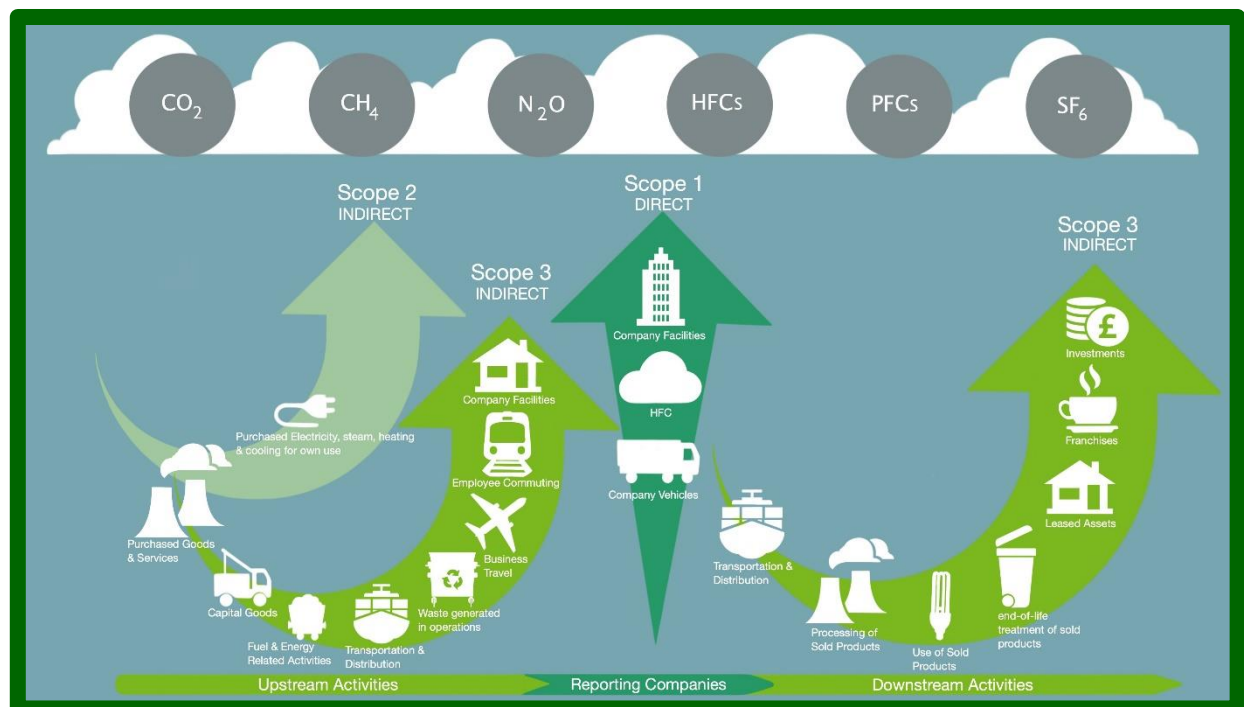
Figure 1: PAS 2060 Certification Process



Adapted from 'BSI - PAS 2060:2014: Specification for the demonstration of carbon neutrality:

Fig.1 – Illustration of the cyclical process for demonstrating carbon neutrality, taking into account permitted baseline period exceptions'.

Figure 2: Organisational Carbon Footprinting



Source: web Greenhouse Gas Protocols: