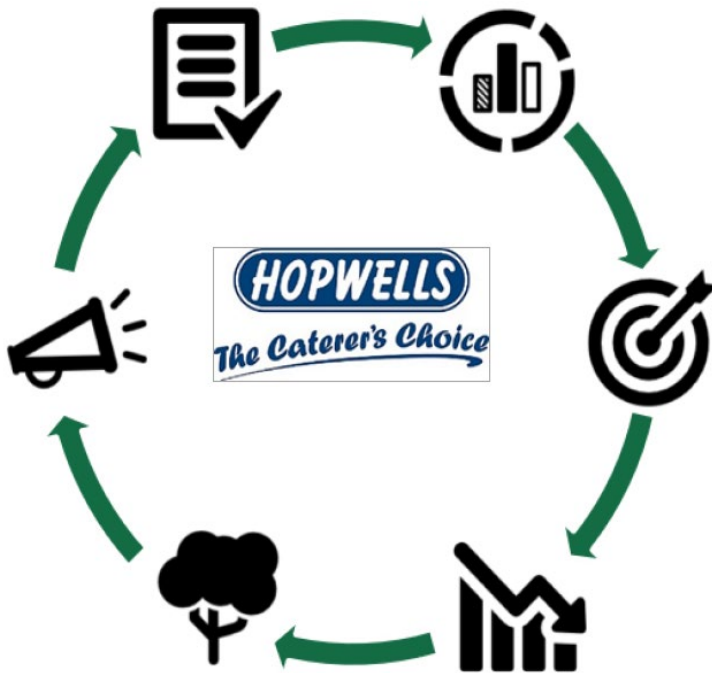


# Sustainability

2020



**ESOS  
Compliant**



CO<sub>2</sub>e  
Assessed  
Organisation

Ian Merrilees  
Hopwells Limited  
3/2/2020

## Sustainability 2020

Hopwells Limited is committed to reducing its energy usage and carbon footprint. The Company continues to allocate substantial funding for the implementation of environmental improvements throughout the Company's premises and its operations.

The following initiatives have been implemented or are in progress:

A replacement schedule for the Company's refrigeration systems is still ongoing. Our sites at Nottingham, Brownhills, Kimbolton, Sheffield and Darlington have been replaced in recent times. Our Burscough site is being replaced for a more energy efficient CO<sup>2</sup> system – work began in late 2019 with final commissioning of the new kit taking place in November 2020. Assessment and discussions with our refrigeration contractor and Carbon Footprint partners are ongoing and we pride ourselves in our annual offsetting program.

All sites have now seen their evaporative condensers replaced with an energy efficient dry system, which required no cooling via a cooling tower. The decision to decommission these units and opt for the dry systems was made, and following this we have witnessed vast savings; not only on energy costs but water reduction also. The Company operates no plant now that requires this type of cooling.

The installation of ECO condenser controllers was introduced improving energy efficiency of refrigeration plant at all depots, by approximately 15%.

The revised F-gas regulations became law in January 2015, and prior to this the Company has replaced all of its systems that still used R22 refrigerant gas under regulation 2037/2000. Our next project of this type will assess current usage of refrigerants within our plant and air conditioning systems. The use of fluorinated greenhouse gases with a GWP > 2500 to service or maintain refrigeration equipment with a charge size of 40 tonnes of CO<sub>2</sub> equivalent or more shall be prohibited from 1st January 2020.

Our main focus with projects of this nature is the suitability of retro-replacement refrigerants that have GWPs of <2500, as this allows for a greater reduction in carbon emissions across the organisation. Switching to a CO<sup>2</sup> plant has now been implemented as part of our on-going commitment to protect the environment and its natural resources and this type of kit has a GWP <1.

Dexco Cold Bay LED fittings have been introduced into all of our cold stores which are IP20 rated. These fittings have replaced previously sourced lighting. In normal operation the Cold Bay LED consumes considerably less energy than traditional discharge luminaires with the benefit of further reducing the workload of refrigeration units. We have now integrated these fittings with integral presence detection sensors, which have seen even greater savings and longevity in relation to lamp replacement. Reducing energy consumption by over 85% and reducing CO<sup>2</sup> emissions by almost 150 tonnes per annum.

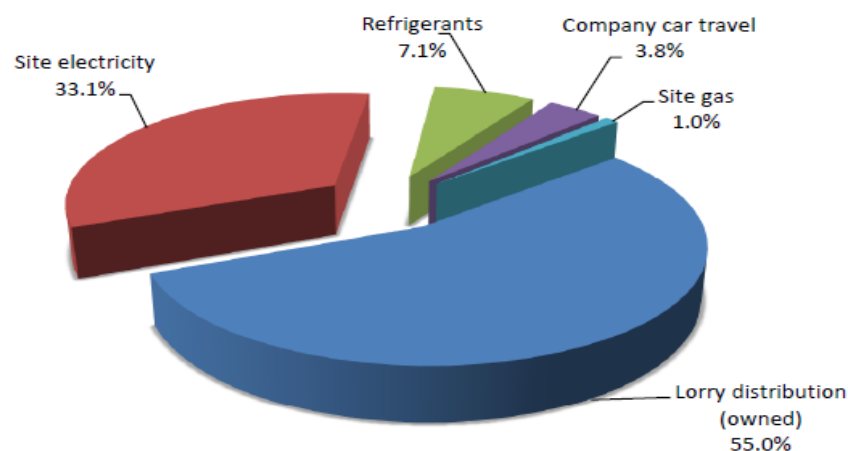
Cold storage facilities will see plant temperatures raised in accordance with the BFFF and Carbon Footprint survey. Cold store plants will have set points adjusted to a temperature range of -19 to -21°C (previously -23°C). On average a 1°C reduction in temperature lift will usually save between 2%-3% of running costs; this in turn will reduce GHG output. All of our plants have now been calibrated in accordance with this advice.

The Company has conducted a survey of its heating requirements across all sites recently and has identified energy savings with the introduction of energy efficient panel heaters. The heaters will be fitted in our warehouse offices and canteen areas. These state-of-the-art energy efficient heaters will

replace existing 1500w units with a 770w unit, with a consumption rate of just 308w. Surveys have already witnessed a massive 79% energy saving per unit, used in conjunction with an inbuilt sensor, which detects temperature fluctuations and automatically shuts down the unit for a specified duration to save even more energy.

Since July 2014 Hopwells have been working in partnership with the Carbon Footprint to proactively reduce our carbon emissions as part of our sector leading sustainability program, and are proud to announce that we have achieved carbon neutrality for our distribution fleet. Our 2018 (2019) carbon footprint assessment achieved an impressive reduction of -18.6% based on turnover against our baseline year.

### Breakdown of carbon footprint



The decision this year was to offset 2129 tonnes of CO<sub>2</sub>e against verified projects; specifically through tree planting of 160 UK trees and Brazil REDD which were planting in [Greno Woods](#), Sheffield this year. Our Director of Contracts (Rachel Neve), Marketing Manager (Phillip Roughan) and Depot Manager, Sheffield (Conrad Napier) all worked tirelessly with or partners at Sheffield and Rotherham Wildlife Trust. The tree planting will not only offset carbon emissions, but also provide wildlife habitats for many hundreds of years.

#### Current Performance

- Total GHG emissions have decreased by 13.5% (606 tonnes of CO<sub>2</sub>e) since the previous year.
- Lorry distribution accounts for 55% of Hopwells's carbon footprint.
- Since the baseline year, emissions have decreased in all elements of Hopwells's footprint

The Energy Saving and Opportunity Scheme (ESOS) became compliant in 2015 and was the UK response to meet Article 8 of the EU Energy Efficient Directive (2012/27/EU). ESOS is a mandatory energy assessment scheme for organisations in the UK that meet the qualification criteria. Hopwells qualifies for the above legislation and has complied with the scheme and are registered with the Environment agency along with a submission of its findings of the scoping exercise. Additional energy savings highlighted by this new mandatory scheme is aiding the Company in its ultimate goal of total carbon neutrality.

Phase 2 of the scheme has now been completed in its entirety and notification submitted to the Environment Agency.

Vehicle replacement schedules are reviewed annually. Going forward, Euro VI compliant trucks will be implemented into the group fleet. The decision to adopt a sizeable proportion of the fleet to 7.5 tonnes vehicles was focused around fuel reduction without jeopardising payload capabilities. The new Isuzu and Renault vehicles are lean burning, and in turn will produce minimal carbon emissions. The decision to include Euro VI vehicles within the fleet was sanctioned by the board of directors.

All our delivery fleet has now been replaced by vehicles with direct-drive refrigeration units, eliminating secondary diesel motors.

Tyres with low rolling resistance have been introduced to the distribution fleet and will improve fuel economy by at least an estimated 2%.

Company cars have been selected on the basis of which possess the lowest carbon dioxide emissions. Kia is now the chosen model for the majority of employee car drivers. All the engines in the new range are designed to deliver the best combination of performance and efficiency with low emissions and fuel consumption. The revolutionary start/stop facility enables all cars to switch off when stationary at lights or in traffic; engines will then instantly restart when you touch the accelerator to commence your journey. In addition to this, the smart alternator automatically recharges the battery of the car when you break to decrease engine load and fuel consumption.

In addition to recommendations by the Carbon Footprint, energy efficiency improvements are being implemented progressively at all of our sites. In particular occupancy sensors and energy-efficient panel lighting (LED) are now installed to all our offices.

All polythene and cardboard generated throughout our operations are being compacted and recycled. Where practicable, waste paper is being collected and recycled.

We employ local staff and encourage the use of public transport; car sharing and walk to work and cycle to work schemes.

Signed on behalf of Hopwells Limited:



T Hopwell  
Managing Director



I Merrilees  
Technical Director

Last Review: 2<sup>nd</sup> March 2020

Next Review: 28<sup>th</sup> February 2021