

ESOS Phase 3 Action Plan Report

Initial Submission

**Don-Bur (Bodies
and Trailers)
Limited**

17 February 2025

Prepared for:

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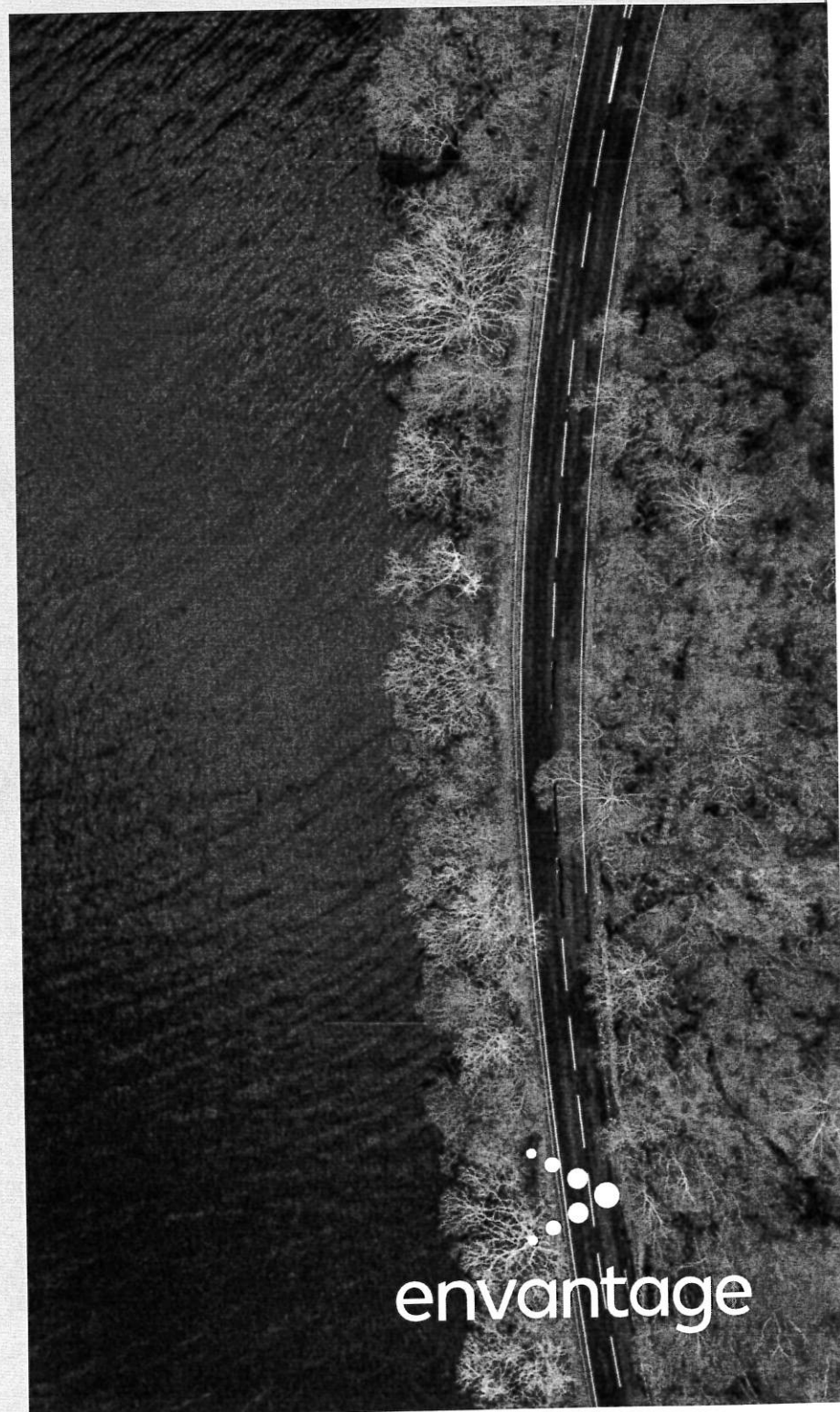
Longton

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The energy savings for the various initiatives are all estimates based on the information available for the assessment.

The implementation of strategic energy management practices will assist greatly in the sustainable strategy for energy efficiency. Whilst there may be a degree of double counting in the savings detailed in the action plan contained within this report, it should assist in generally quantifying the savings of the actions within this report.

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ESOS Phase 3 Action Plan

As an ESOS Phase 3 participant, Don-Bur (Bodies and Trailers) Limited are also required to submit an initial action plan to the government via the ESOS portal (MESOS), by the 5th March 2025. This is now a part of the ESOS regulation having been introduced as part of changes during Phase 3.

An ESOS action plan must detail;

- Initiatives they intend to do to reduce energy consumption,
- When these initiatives will be implemented,
- The energy savings over the 4 years (6th December 2023 to 5th December 2027) of the action plan,
- How these savings have been estimated
- Where the initiatives have been recommended from i.e. ESOS, internally
- If these savings related to any additional schemes? – Optional to include
- Additional context for the initiatives – Optional to include

This action plan needs to be signed off by a board level director or someone with equivalent management control. The action plan also will be published by the EA, around 6 months after submission. All of the details provided during submission are likely to be published by the UK Government.

There is also the requirement to report on the progress of the action plan annually. These reporting deadlines are;

- 5th December 2025
- 5th December 2026

It is possible to provide additional measures at each of these reporting deadlines, along with adjusting estimates of energy savings for measures implemented in the reporting year.

This report sets out the Initial Submission of Don-Bur (Bodies and Trailers) Limited's ESOS Phase 3 Action Plan with all of the relevant required to support submission to achieve compliance.



Summary of the action plan

Background information

Don-Bur (Bodies and Trailers) Limited are required to add any measures that have implementation dates in the future (after the date the action plan is submitted). Optionally, any measures already implemented (before the date you submit the action plan) can be included.

Measure No.	Name	Result of an energy audit? (y/n) ¹	Relates to other schemes? ²	Implementation date ³
1	Commissioning of PV solar system at the Mossfield Road Site	Yes	No	Jun, 2024
2	Commissioning of PV solar system at the Clarence Road Site	Yes	No	Jun, 2024
3	Delivery of driver training modules including elements of fuel-efficient driving across the business	Yes	No	Jun, 2025
4	Identify and reduce compressed air leaks	Yes	No	Mar, 2025
5	Replacement of dated light fittings with new energy efficient LED fittings	Yes	No	Dec, 2023
6	Improved pipework insulation and fitted quick release insulation jackets to exposed valves, flanges and pump bodies at the Don-Bur Service site	Yes	No	Nov, 2024
7	Replacement of internal combustion vehicles with electric and hybrid alternatives	No	No	Dec, 2023
8	Commissioning of PV solar system at the Sapphire Graphics Site	No	No	Jun, 2024
9	Increase in solar PV generation capacity at sites currently outfitted with solar PV systems	No	No	Dec, 2025
10	Replacement of a fixed speed air compressor with a higher efficiency variable speed drive equivalent	No	No	Dec, 2025

¹ Is this measure a result of an energy savings opportunity reported in an energy audit?

² (Optional) Does this measure relate to any of the following schemes? (CCA, SECR, UK Emissions Trading Scheme (ETS), UN Race to Net zero, Science-Based Targets Initiative (SBTI), Carbon Reduction Plans (required in the procurement of major Government contracts), Other).

³ The deadline cannot be earlier than December 2023 and must not fall after 5th December 2027.



Quantification of measures

Provide estimates of savings that are reasonably expected to be achieved from each measure during the period between 6th December 2023 and 5th December 2027

Name	Implement Date	Total energy savings to December 2027 (kWh)				Initiative from an Energy Audit	Estimation methodology ⁴
		Buildings	Transport	Industrial Processes	Total		
Commissioning of PV solar system at the Mossfield Road Site	Jun, 2024	-	-	391,265	391,265	Yes	Electricity generation from the Solar PV system at the Mossfield Road site has been monitored and recorded since the installation of the system. Meter readings between June 2024 and December 2024 have been uplifted to estimate annual electricity generation to estimate energy savings.
Commissioning of PV solar system at the Clarence Road Site	Jun, 2024	-	-	347,680	347,680	Yes	Electricity generation from the solar PV system at the Clarence Road Site has been monitored and recorded since the installation of the system. Meter readings between June 2024 and December 2024 have been uplifted to estimate annual electricity generation to estimate energy savings.
Delivery of driver training modules including elements of fuel-efficient driving across the business	Jun, 2025	-	111,293	-	111,293	Yes	An energy audit – Assumed 3% savings from introducing driver training.
Identify and reduce compressed air leaks	Mar, 2025	-	-	110,645	110,645	Yes	An energy audit for both sites.

⁴ How was the total energy savings estimate calculated? (an energy audit, an alternative compliance method, other reasonable method: provide more detail)



Name	Implement Date	Total energy savings to December, 2027 (kWh)				Initiative from an Energy Audit	Estimation methodology ⁴
		Buildings	Transport	Industrial Processes	Total		
Replacement of dated light fittings with new energy efficient LED fittings	Dec, 2023	-	-	57,996	57,996	Yes	Incandescent bulbs at the Mossfield Road and Don-Bur Service sites have been replaced with energy-efficient LED equivalent as they fail. Energy savings have been estimated using the recommendations from our Phase-3 ESOS energy audits, by calculating the kilowatt-hour savings per pound of capital expense and applying this factor to the total lighting expenditure after the 5 th of December 2023.
Improved pipework insulation and fitted quick release insulation jackets to exposed valves, flanges and pump bodies at the Don-Bur Service site	Nov, 2024	-	-	14,957	14,957	Yes	An energy audit for Clarence Road.
Replacement of internal combustion vehicles with electric and hybrid alternatives	Dec, 2023	-	214,703	-	214,703	No	A number of internal combustion engine vehicles have been replaced with energy-efficient, low-carbon electric or hybrid vehicles. Energy savings have been calculated by determining the energy consumption of internal combustion vehicles that have been replaced using the appropriate kWh per mile factors published in the 2024 UK Emissions Factors The mileage of replaced vehicles has been determined from odometer readings found in the vehicles MOT histories, if replaced vehicles did not have a MOT History the average vehicle mileage published by UK Government was used. As the vehicles are leased by Don-Bur (Bodies and Trailers) Limited all vehicle mileage has been assumed to be for business purposes. The same process was applied to the new electric or hybrid electric



Name	Implement Date	Total energy savings to December 2027 (kWh)				Initiative from an Energy Audit	Estimation methodology ⁴
		Buildings	Transport	Industrial Processes	Total		
Commissioning of PV solar system at the Sapphire Graphics Site	Jun, 2024	104,376	-	-	104,376	No	replacements and the difference between the two provided the total kWh savings achieved. Electricity generation from the Solar PV system at the Sapphire Graphics site has been monitored and recorded since the installation of the system. Meter readings between June 2024 and December 2024 have been uplifted to estimate future electricity generation to estimate energy savings.
Increase in solar PV generation capacity at sites currently outfitted with solar PV systems	Dec, 2025	2,869	-	9,555	12,424	No	Plans have been made for an expansion of the current solar PV generation capacity in late 2025. Energy savings have assumed that the solar generation at the Clarence Road and Sapphire graphics sites will increase by 5% by the end of the 2025 calendar year.
Replacement of a fixed speed air compressor with a higher efficiency variable speed drive equivalent	Dec, 2025	-	-	158,175	158,175	No	Energy savings from the replacement of an air compressor at the Mossfield Road site with a Variable Speed Drive (VSD) alternative, have been estimated based on the current compressor's power rating and the assumption that the motor driving the VSD unit will operate at a speed 10% lower than the existing compressor. This reduction in speed is expected to result in a 25% decrease in the compressor's energy consumption.




Don-Bur (Bodies and Trailers) Limited - Sign off

Confirmation that a board director (or, in the absence of a board director, an individual with management control):

- ✓ has reviewed the energy efficiency measures listed in this report
- ✓ is satisfied, to the best of their knowledge, that the information provided in this notification is correct
- ✓ confirms that the action plan has been produced following a notification of compliance for an ESOS assessment and includes the content required by regulation 34A of the ESOS regulations

The signatories below also confirm that all of the above is supported by the information as contained in this summary report.

Board Director / Individual with management control)	Name	Signature	Date
	ANDY BUSHNELL		17/2/25
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About Envantage

When it comes to meeting your environmental responsibilities, there isn't a problem we can't tackle.

We have specialists in every field from carbon and energy to water, waste and the circular economy. We're ready to help you find a better way of doing things and bring measurable efficiencies and savings to your organisation.

At Envantage, you will find the brightest and best experts in low carbon and business energy. Our aim is to transform the energy landscape for the companies we work with, helping them to reduce their energy consumption, costs and carbon impact, so they can focus on their core business.

Doing things in a more sustainable way isn't always straightforward. But we are. We make it a priority to be easy to work with, bringing a 'can do' attitude to every challenge you may face.



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