

Cooneen Group

CARBON REDUCTION PLAN

Date of Issue: 07/06/2024

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Last Update: 07/06/2024

Introduction

Cooneen are pleased to provide our carbon reduction plan which has been developed to provide a central focus to the range of activities that are necessary to allow the organisation to achieve its target of net zero by 2026. While this is an ambitious target, Cooneen believe they have the capability and resources in place to achieve this and therefore play our part in creating a more sustainable economy in the UK and beyond.

Commitment to achieving Net Zero

Cooneen Group is committed to achieving Net Zero emissions by **2026**.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2021	
Additional Details relating to the Baseline Emissions calculations.	
A carbon footprint audit for Cooneen was independently completed in July 2021 by Fathom Energy and Environment Ltd with support from the local government business agency, Invest Northern Ireland. The analysis and subsequent report were completed in accordance with the Greenhouse Gas Protocol (GHG) which is a recognised global standard for carbon reporting. The report identified the scope 1 and scope 2 emissions for the organisation (163.5 tonnes CO ₂) and completed a limited analysis of scope 3 (1028.9 tonnes CO ₂).	
Baseline year emissions: 2021	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	Total Carbon dioxide equivalent emissions – 65.42
Scope 2	Total Carbon dioxide equivalent emissions – 98.096
Scope 3	Total Carbon dioxide equivalent emissions – 1028.92

(Included Sources)	
Total Emissions	1192.43

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1 & 2	150.02
Scope 3 (Included Sources)	997.66
Total Emissions	1147.68

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that the carbon emissions for scope 1 and scope 2 will decrease over the next 2 years to **0 tCO₂e** by **2026**. This is a reduction of 100%.

We project that the carbon emissions for scope 3 will require further analysis and investigation to fully understand and calculate the emissions associated with this scope. We therefore commit to completing this detailed analysis exercise by 2025 and in the meantime work to implement solutions to deal with end-of-life products.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The carbon emission reduction achieved by these schemes to date equate to 45.06 tCO₂e, a 3.75% reduction against the 2021 baseline. These measures will be in effect when performing the contract.

Carbon Reduction Projects Table

Project / Action	Scope	Update	tCO ₂ e Reduction Achieved
Develop and implement a formal, targeted carbon and energy awareness campaign	1&2	<p>Complete</p> <p>Involved training, awareness campaign throughout all sites including “switch off” prompts on all systems at close of working day</p>	1.7
Introduce a formal policy on air conditioning temperature set points	1&2	<p>Complete</p> <p>Air con control systems secured by admin-only access and set to restricted temperature range points</p>	0.5
Introduce an ongoing energy check process	1&2	<p>Complete</p> <p>Assessment on year-on-year energy usage now in place on a monthly basis</p>	0
Complete the LED lighting replacement project including smart controls	1&2	<p>Partially complete</p> <p>Fivemiletown site complete</p> <p>Amesbury site complete</p> <p>Manchester site – quotes obtained and awaiting approval to proceed with work – capital cost £17K</p> <p>Please note that LED replacement projects have included the installation of PIR sensors and daylight controls to ensure lighting is only used when necessary (smart controls).</p>	11
Complete the specialist low carbon heating assessment to identify solutions	1&2	Not started	TBC

Highly efficiency air conditioning unit replacement policy	1&2	Complete Policy in place	0.3
Obtain a minimum of 2 quotations for the installation of a solar PV array(s)	2	In work Solar PV assessment completed for Group Headquarters site in May 2023. This will be a significant investment of circa £300K but will provide up to 33% of the site's annual energy demand	37.5 (planned)
At the same time as requesting solar PV array quotations, request an additional option for the installation of a battery storage solution to maximise the use of the generated renewable electricity	2	In work Solar PV assessment completed for Group Headquarters site in May 2023. This will be a significant investment of circa £300K but will provide up to 33% of the site's annual energy demand and includes consideration for storage of surplus electricity	Included in above figure
Install a monitoring and targeting system to complete ongoing monitoring of consumption on prioritised meters	2	Not started	TBC
Consider the purchase of electric vehicles and installation of charge points to reduce carbon emissions associated with fuel use	1	In work Company vehicle policy amended to require purchase of hybrid or fully electric vehicles. Quotes obtained for installation of charge points at all company sites.	TBC
Procure green grid electricity supply contract	2	Not started	TBC
Identify, trial and implement a solution to deal with end-of-life product that will reduce waste to landfill / incineration	3	Complete Avena is a secure, scheduled shredding service for customers to dispose and recycle their uniforms using an environmental approach. Cooneen already uses this service for one of our current customers, Ministry of Justice (MoJ). Below outlines how this is conducted.	30.16

		<p>The recycling is divided into a recycling hierarchy, depending on the material needed to be disposed. Avena primary & preferred approach is Tier 1.</p> <p>Tier 1 is to re-use the material for future manufacturing of other garments, clothes and textiles via recycling.</p> <p>Tier 2 is the secondary route, this includes end of life products such as insulation, geotextiles & sound boarding. This ensures the materials used are used again and recycled.</p> <p>Tier 3 only used if the above two tiers are not possible. This material will be made into chips and melted or used to generate energy (RDF).</p> <p>Once the product has been recycled using one of the above tiers, a full audit trail & an environmental impact statement is released to the customer.</p>	
Switch to zero emission distribution vehicles for delivery of end product to customers in UK	3	<p>In work</p> <p>The switch to DPD Local for courier deliveries was made in January 2023. Since then, CAW has saved over 1,000kg of CO2 by utilising their fleet of Electric Vehicles. DPD currently have 3,151 EV's in their fleet with 16 cities in the UK receiving all their final mile delivery via EV's.</p>	1.1
Work with manufacturing plants across the supply chain to drive a shift to solar or other renewable energy options for their energy requirements	3	<p>In work</p>	TBC
Implement a remote meeting approach for customer / other meetings that involve carbon emitting travel (car / train / plane etc)	3	<p>Complete</p> <p>This approach has been rolled out across the organisation and is the predominant method of communication since the Covid-19 pandemic.</p>	TBC

Implement a central print solution for the Group that encourages a reduction in printing costs and their environmental impact	1 & 2	Complete Updated print solution implemented early 2023. Saving is realised annually.	0.3
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Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

Scope 3 (as stated on document 'Technical standard for completion of Carbon Reduction Plans):

- Upstream transportation and distribution – The scope 1 and 2 emissions of transportation and distribution providers that could occur during the use of vehicles and facilities e.g. from energy use only.
- Waste generated in operations. The scope 1 and scope 2 emissions of waste management suppliers that occur during disposal or treatment Optional: Emissions from transportation of waste
- Business Travel. The scope 1 and scope 2 emissions of transportation carriers that occur during use of vehicles (e.g., from energy use) Optional: The life cycle emissions associated with manufacturing vehicles or infrastructure
- Employee commuting. The scope 1 and scope 2 emissions of employees and transportation providers that occur during use of vehicles (e.g., from energy use) Optional: Emissions from employee teleworking.
- 9. Downstream transportation and distribution. The scope 1 and scope 2 emissions of transportation providers, distributors, and retailers that occur during use of vehicles and facilities (e.g., from energy use) Optional: The life cycle emissions associated with manufacturing vehicles, facilities, or infrastructure.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of Cooneen Group:



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¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>