

# Carbon Reduction Plan

**Supplier name:** Vital Energi Utilities Limited (04050190) & Vital Energi Solutions Limited (07828647)

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Vital Energi Utilities Limited and Vital Energi Solutions Limited are leading providers of low-carbon energy solutions to both the public and private sectors. We deliver a broad range of energy efficiency measures as well as low-carbon power generation, storage and distribution, and heating and cooling solutions for our clients.

Our energy solutions are supported by a full suite of customer services including energy metering, monitoring and asset management.

We work with clients to reduce their energy use and cost whilst, at the same time, helping them to achieve their carbon reduction targets.

## Commitment to achieving Net Zero

Vital Energi Utilities Limited & Vital Energi Solutions Limited are committed to achieving Net Zero emissions by 2035. In addition, we are committing to reduce actual emissions by 50% from 2020 levels by 2030 without using offsets.

## 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.

<b>Baseline Year: July 2020 – June 2021</b>
<b>Additional Details relating to the Baseline Emissions calculations.</b>
A baseline including all relevant scopes has not previously been calculated or reported. Therefore, the July 2020- June 2021 reporting period will be set as the baseline.
Throughout this period, we have undertaken extensive work to ensure the baseline calculation is robust and accurate. This has led to a revision of the originally published baseline, identifying an increase in emissions during the reporting year from 1,673 tCO <sub>2</sub> e to the current figure of 2,121tCO <sub>2</sub> e. This change is largely due to the increase in scope 1 & 3 emissions.
A new reporting requirement, we initially made some estimations, whilst developing more accurate information. Our original CRP has been updated to reflect results of an employee commuting and more accurate utility meter data.
Vital Energi Utilities Limited (VEUL) and Vital Energi Solutions Limited (VESL) fall under a single payroll, share facilities, and rely on common resources. There are many interdependencies between these two bidding entities, and each may be involved in the bidding or delivery of works covered by PPN-06/21. To ensure accurate reporting, the two companies' emissions have been aggregated, as such the Carbon Reduction Plan (CRP) and its proposed measures should be considered to apply to both.
The CRP reporting boundary has been based on the operational control approach to GHG accounting, reflecting upon the substance and economic reality of the companies' business relationships and their operations. Emissions associated with fuel combustion and electricity procured to meet the heating and power needs of clients through arrangements such as Energy Service Companies (ESCOs) and Energy Performance Contracts (EPCs) have been excluded.

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Baseline year emissions: July 2020 – June 2021	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	1,217
Scope 2	169
Scope 3 (Included Sources)	735
Total Emissions	2,121

## Current Emissions Reporting

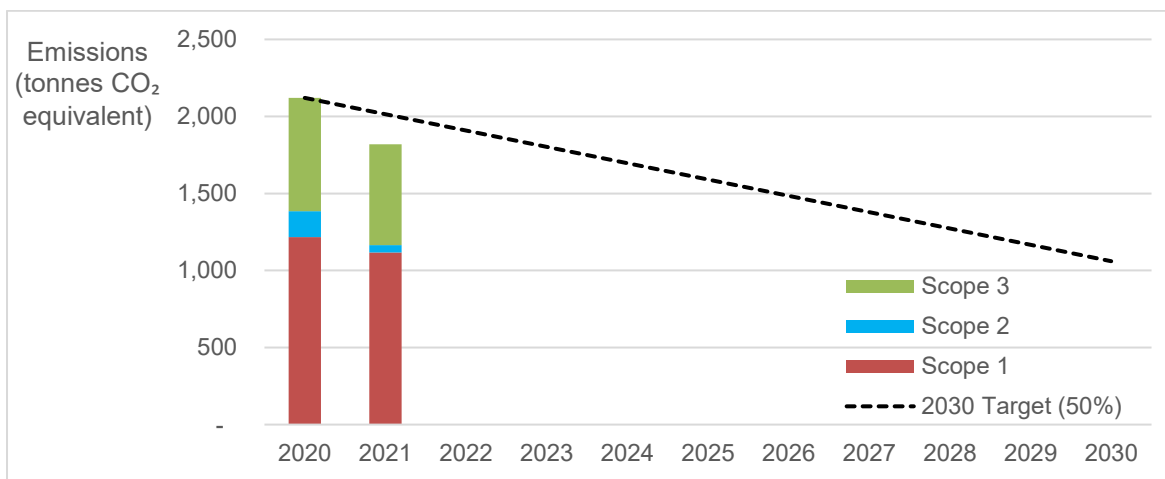
Reporting Year: July 2021 – June 2022	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	1,117
Scope 2	48
Scope 3 (Included Sources)	655
Total Emissions	1,820

## Emissions reduction targets

In order to continue our progress toward achieving Net Zero, we continue to adopt the following headline carbon reduction targets :

- A projected 50% reduction in carbon emissions over the next ten years to around 979 tCO<sub>2</sub>e by the July 2030- June 2031 period.
- A commitment to achieving Net Zero emissions by 2035.

Benchmarked from the baseline year, progress against these targets has been tracked on the graph shown below to include figures for July 2021 – June 2022:



## Carbon Reduction Projects

The following carbon reduction initiatives to diminish our carbon footprint across all stages of project development and delivery are planned for the current 2022-23 reporting period :

- Continue phased plan to electrify fleet vehicles based on a 3-year lease cycle and improvements in vehicle technology
- Head office energy reduction measures, such as but not limited to:
  - Design and install a head office heat pump solution
  - Develop and install a large-scale PV system at the head office site
- Provision of Energy-efficient site accommodation and welfare facilities powered and heated by renewable energy
- Reduced reliance upon fossil fuels for construction sites through use of biofuel or blends of fuel for construction site generators, mobile machinery
- Sustainable procurement policy to prioritise use of suppliers and distributors that report a lower carbon footprint
- Reducing business travel and grey fleet emissions by encouraging video conferencing
- Prioritising use of trains over flights or when required using flights which report lower emissions due to efficient planes or the use of sustainable aviation fuels
- Continuation of our annual Get Green Week / Staff engagement campaigns to encourage walking, cycling, use public transport and carpooling
- Validation of progress against our targets through the Science Based Targets initiative and/or 'Race to Zero' initiative
  - After consultation with external advisors and employee departments, the Senior Leadership Team are developing a sustainability strategy .

## Completed Carbon Reduction Initiatives

As a business during the reporting year of Vital Energi Utilities Limited and Vital Solutions Limited saw a 4.16% increase in headcount There was also a greater geographical diversity in terms of the location of project sites as a result of work won; increasing the need for travel. Despite this factor, when measured against our baseline year, in the last 12 months, total carbon emissions decreased by 14.19%.

In terms of Scope 1 emissions during the 2021-22 reporting period, Vital Energi has accomplished a 21.19% reduction in gas usage at head office. Brought about by revisions made to the building management system and the boiler fuel burner, this has resulted in a **27.42 tCO<sub>2</sub>e saving**.

During the same period we also saw 6.4% decrease in overall number of vehicles used on company business. Linked with a 67.56% increase in electrical vehicle use (37 to 62) in the company car and commercial fleet, as a result of our on-going phased plan to electrify the fleet vehicles, this has resulted in a **80.57 tCO<sub>2</sub>e saving across the year**. Vital's car fleet is now 78% BEV or PHEV.

Whilst there was an increase in the amount of electricity consumed in 2021-22, by switching to a 100% green energy tariff at our Blackburn HQ in terms of Scope 2 emissions we made a **saving of 120.95 tCO<sub>2</sub>e**.

Despite a 1.8% increase in site fuel usage, necessary to power generators as a result of the geographical location of worksites in Vital Utilities Limited and Vital Solutions, the increase in headcount during the 12 month means our intensity ratio fell by 2.5%

The following initiatives presented in the 2020-21 Plan, have also been applied /actioned resulting in energy reductions:

- Improvement of lighting by switching to LEDs and updating the EPC at Head office (Now a B Rating from a C)
- Successful delivery of the annual Get Green Week highlighting waste management seminars and workshops developed for employees.
- Developed / delivered workshops and subcontractor days with supply chain members to improve carbon reporting and share our sustainable procurement practices with the supply chain.

## **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 standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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) Standard<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

**Signed on behalf of the Supplier:**



**Chief Executive Officer – Vital Energi Group Of Companies**

**8<sup>th</sup> November 2022**

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

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

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