



**Carbon neutrality declaration of Belu Water Limited in accordance with the PAS 2060 other party validation process and accompanying qualifying explanatory statements.**

Carbon neutrality of Belu's organisation and supply chain **was achieved** by Belu in accordance with PAS 2060 at 31 December 2019 for the period commencing 1 January 2019, **with commitment to maintain to** 31 December 2020, Avieco Ltd declared. Belu has been carbon neutral since 2006 and has been demonstrating carbon neutrality in accordance with PAS 2060 since 2012.

The overall carbon footprint for all our bottle water products, office and people movements for the period 1<sup>st</sup> January 2019 to 31<sup>st</sup> December 2019 was 6,016 tonnes of CO<sub>2</sub>e, compared to 6,023 tonnes of CO<sub>2</sub>e in 2018. Belu delivered water with emissions of 381g CO<sub>2</sub>e/litre, a 9% improvement compared to 2018.

2019 was a transitional year, in our approach to carbon management. Carbon accounting shifted from an external provider (Anthesis) to an internal bespoke model, which included a number of changes to assumptions and approach. We introduced a number of product changes including 100% rPET bottles and moving glass production closer to the bottling plant, which reduces shipping emissions and the opportunity to produce lighter weight bottles. These are anticipated to reduce emissions in 2020.

In 2018 the carbon intensity of our business increased after six consecutive years of reductions, due to an increase in the proportion of higher emitting glass sold versus rPET. A similar market trend occurred in 2019 with glass sales increasing +10%, as unintended and unwelcome consequence of the recent attention on plastic. As a result, the business would have delivered a second consecutive year of emission increases were it not for the growth in the other parts of our business. Lower impact water delivery systems such as coolers and filters, combined with more precise accounting of glass recycling have driven intensity figures down, meaning that Belu has delivered more water with less impact in the year.

2019  
381g  
CO<sub>2</sub>e per  
litre

In 2018, for the first time, Belu has calculated its carbon emissions per life transformed through clean water, decent toilets and good hygiene which was 89 kgCO<sub>2</sub>e. In 2019 our overall CO<sub>2</sub>e per life transformed was 97kgCO<sub>2</sub>e, an increase primarily due to the impact of our additional glass costs reducing our net profit position.

The carbon offsets purchased were certified in accordance with the Verified Carbon Standard (VCS) and accordingly satisfy all of the requirements for PAS 2060 compliance.

6,016 tonnes of greenhouse gas emissions (representing the entire organisation and supply chain carbon footprint for the period January 2019 to December 2019) were offset through investment in the Chorchaiwat Waste Water Treatment Project in Thailand (3370 tonnes via South Pole, March 2020) and Song Chung Hydropower Project in Vietnam (2646 tonnes via South Pole, March 2020) as demonstrated by the certificates and retirement reports provided by South Pole<sup>1</sup>.

**Charlotte Harrington, Chief Operating Officer, Belu, was the individual responsible for the evaluation and provision of data necessary for the substantiation of this declaration.**

---

<sup>1</sup> Serial numbers from South Pole carbon offsets: 5157-214663906-214664455-VCU-030-APX-TH-13-411-15092014-31122014-0; 6141-281862557-281864141-VCU-030-APX-TH-13-411-15092014-31122014-0; 6141-281860972-281862556-VCU-030-APX-TH-13-411-15092014-31122014-0; VN5-0 CER 16500078 16502723 2 2 3532



Belu is an ethical water services company supplying mineral water in bottles, filtration, refillable carafe and bottle systems to the HORECA sector in the UK. It is a not for profit, pioneering social enterprise that always champions the environmental benchmark. It is the exclusive bottled water partner of WaterAid having contributed over £5M to date with a minimum commitment of £100,000 per year.

The organisation and supply chain carbon footprint encompass material emissions of Belu's activities in accordance with the Greenhouse Protocol and other guidance. The Greenhouse Gas Protocol is the de facto best practice methodology for carbon accounting which satisfies the key criteria of relevance, completeness, consistency, accuracy and transparency and is the preferred PAS 2060 methodology.

Product emissions were quantified for our bottled water, cooler, refillable bottle and operating filter machines, and included the full life cycle impacts of:

- raw materials & manufacturing;
- inbound transport;
- bottling;
- distribution;
- use;
- end of life.

The organisational footprint is responsible for less than 1% of our overall footprint and includes:

- 100% of Scope 1 (direct) emissions;
- 100% of Scope 2 (indirect electricity) emissions;
- Elements of Scope 3 emissions including employee commuting and business travel.

Organisational emissions in 2019 totalled, 10 tonnes or 1.3 tonnes CO<sub>2</sub>e/FTE. This low value reflects the fact that most staff work from home and only commute by public transportation or bike. Business travel is largely undertaken by train and only included one domestic flight in 2019.

The 2019 Belu Carbon Accounting Methodology report details the methodology and assumptions for calculating the organisation and supply chain carbon footprint but key points are set out below: Values for emissions are presented as CO<sub>2</sub> equivalents (CO<sub>2</sub>e), using Global Warming Potential (GWP) factors from the Intergovernmental Panel on Climate Change (IPCC)'s fourth assessment report, consistent with reporting under the United Nations Framework Convention on Climate Change (UNFCCC).

Emissions were calculated based on primary data from our supply chain when possible, published emission factors (primarily Defra 2019 values) and literature. The boundaries are a true and fair representation of Belu's greenhouse gas emissions and The quantified carbon footprint covered at least 95% of total emissions and includes all emission sources estimated to be more than 1% of the total organisation and supply chain carbon footprint.

19<sup>th</sup> March 2020

**Karen Lynch, CEO Belu Water Limited**

Avieco Ltd hereby validates the declaration of commitment to carbon neutrality, the declaration of achievement of carbon neutrality and the qualifying explanatory statements contained in this document.

20<sup>th</sup> March 2020

**Julie Craig, Director, Avieco Ltd**