

## The Antipodes Water Company Limited

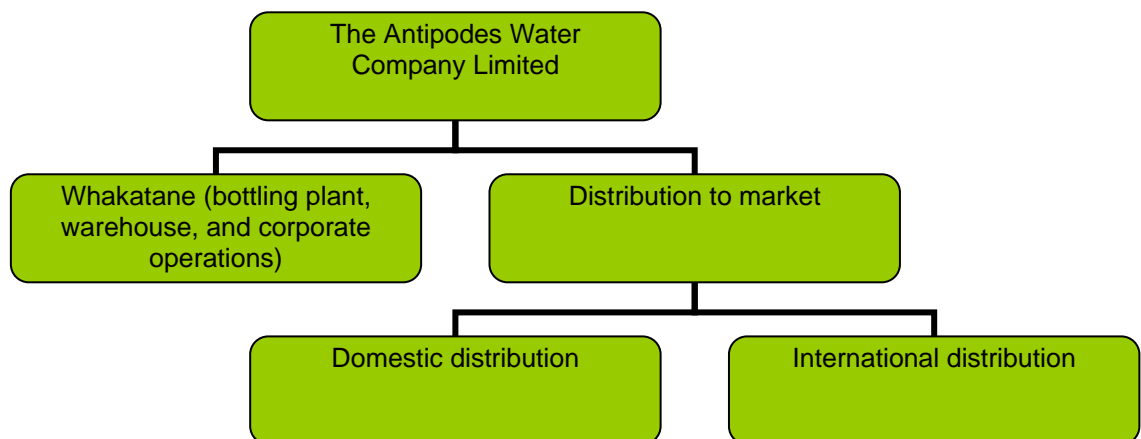
*The Antipodes Water Company Limited meets the requirements of carboNZero<sup>Cert™</sup> certification having measured its greenhouse gas emissions in compliance with ISO 14064-1 including additional life cycle emissions associated with the product,, reduced its emissions and mitigated its remaining unavoidable emissions in respect of its organisation and product.*

**antipodes**  
WATER COMPANY LIMITED

**Introduction<sup>1</sup>** – The Antipodes Water Company Limited (AWC) bottle and distribute still and sparkling water from an aquifer in Whakatane, Bay of Plenty, New Zealand. AWC sell their product to restaurants, cafes, hotels and via their website to homes and offices throughout New Zealand, Australia, USA, and Hong Kong. AWC also have a network of distributors in various countries for supplying the hospitality industry.

The current product range sold by AWC is 500ml and 1000ml bottled still water, and 500ml and 1000ml bottled sparkling water. Working with the carboNZero programme and being certified as carbon neutral has reinforced AWC philosophies of looking for ways to do things differently and operate more efficiently.

**Boundary** – the diagram below shows the organisational structure used for describing AWC greenhouse gas (GHG) emissions inventory, and what business units were included in the carboNZero certification. No business units were excluded from the certification.

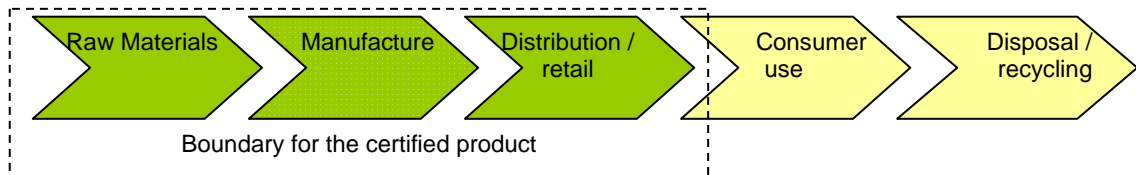


**Figure 1:** Antipodes Water Company Ltd structure.

<sup>1</sup> **Disclaimer:** This Disclosure Statement is a summary of the verified information considered for certification and the certification decision. It should not be taken to represent the full submission for certification. While every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Landcare Research does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

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For the certified product, additional life cycle GHG emissions were included in the inventory as shown in the diagram below. The yellow life cycle stages were not required and not measured for the product inventory.



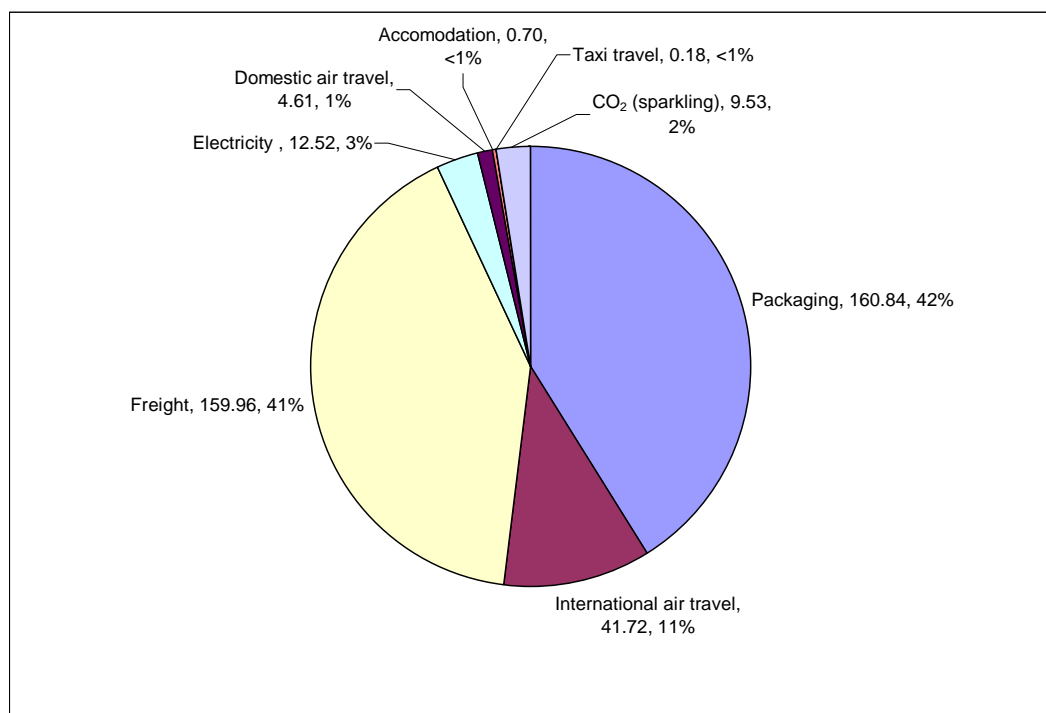
**Figure 2:** Life cycle phases for Antipodes Water Company Ltd products.

**Consolidation approach** – Operational control

**Base year** – 01/04/2006 to 31/3/2007.

**Measurement period** – 01/04/2008 to 31/3/2009.

**GHG emissions source inclusions** – the diagram below shows the operational GHG emissions for AWC by emissions source. AWC's total emissions for this period were 391 tonnes carbon dioxide equivalents (CO<sub>2</sub>e) comprising 0 tonnes CO<sub>2</sub>e Scope 1, 12.52 tonnes CO<sub>2</sub>e Scope 2 and 377.55 tonnes CO<sub>2</sub>e Scope 3 emissions.



**Figure 3:** GHG emissions profile for Antipodes Water Company Ltd.

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**GHG emissions source exclusions** – AWC had the following emissions source exclusions for this measurement period:

- Waste to landfill
- Freight of some components and packaging materials to the production plant
- Some freight associated with distribution of product within destination countries

**GHG emissions reduction commitments** – AWC has developed a GHG emissions reduction plan. Some projects in this plan include:

- Maintain current tCO<sub>2</sub>e/bottle sold ratio as the brand grows: monitor production and manufacturing.
- Reduce production waste: develop and maintain a local recycling policy
- Reduce power consumption: monitor power consumption per unit at production facility and investigate ways to maintain or reduce current levels
- Distribution: work with international distributors to assess, manage and offset freight from port to dining room table in export markets.

**GHG emissions reduction report against last year's plan** – some of AWC's achievements since their last reporting period include:

- Energy Reduction: solar panels have been installed at the production plant to heat the water for the laboratory and testing facilities
- Re-use of waste water from bottling facility: all rinse water is now recycled into either the wetland project and/or the plants grey water system
- Identify emissions on freight from destination port to restaurant: completed with the support of AWC's distributors and end users
- Reduce Emissions from fleet vehicles – purchase of a new fuel-efficient diesel car to replace the private cars used by the Auckland sales team.

**Offset** – 391 tonnes CO<sub>2</sub>e. VERs<sup>2</sup> from Tararua II windpower projects. Serial numbers 332326-332716 have been cancelled (or equivalent) on the carboNZero register.

**Verified by** – AsureQuality Ltd

**Threshold of materiality** – Excluded emissions do not exceed 5% of the total footprint for organisation and product boundary stated.

**Level of assurance** – Reasonable assurance for organisation, limited assurance for product

**Certification status** – carboNZero certified “organisation” and “product” covering corporate operations, production plant, packaging materials, and distribution to market.

**Certificate number** – 2009047J

**Valid until** – 30/06/2010.

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<sup>2</sup> VERs are created by eligible projects for emissions reductions achieved up to the end of 2007.