



# **The BRANZ Group Environmental Policy**

## **1 Policy Objective**

BRANZ is committed to minimising its impact on the local, national and global environment by committing to and demonstrating environmentally conscious and sustainable practices.

## **2 Scope**

### **2.1 Inclusions**

All activities.

### **2.2 Exclusions**

Nil

## **3 Definitions**

### **3.1 Green House Gases**

Gases which trap heat in the atmosphere are called greenhouse gases. These gases are: carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O) and fluorinated gases (hydrofluorocarbons, perfluorocarbons, sulphur hexafluoride, and nitrogen trifluoride).

### **3.2 Global Warming Potential (GWP)**

The ability of a greenhouse gas to trap extra heat in the atmosphere over time, relative to carbon dioxide (CO<sub>2</sub>). Having a common scale for all greenhouse gases allows comparisons between emissions from different activities or sectors. This helps decide how much effort should be put into reducing the levels of different greenhouse gases and allows emission-reducing activities that target different gases while minimising the economic impact.

## **4 Means – Approach**

- 4.1 We will comply with all relevant legal and statutory environmental obligations and, where practicable, exceed the minimum requirements. Examples include complying with discharge to air, water and land resource consent conditions.
- 4.2 We will ensure that staff are aware of, and can provide input into, BRANZ's approach to operating in an environmentally conscious and sustainable way. We will ensure staff are adequately resourced to enable them to do so.

- 4.3 We will use a recognised Environmental Management programme and/or Environmental Management Standard to plan, monitor, assess and improve our environmental performance.
- 4.4 We will maintain and incorporate the principle of “Environmentally sustainable” into our investment plans and decisions e.g. Campus and Asset Management Plan, Digital Futures roadmap, where practicable.
- 4.5 We will enable ‘green’ procurement by ensuring our procurement practices include the consideration of using environmentally sound services up and down the supply chain, when determining the ‘value to BRANZ’. Examples include modes of travel/transport; chemical use and interaction with onsite systems; use of gases with a lower Global Warming Potential for testing, onsite air conditioning or refrigeration systems.
- 4.6 We will benchmark, monitor and review our energy use and water consumption, investigate anomalies and take corrective action where appropriate.
- 4.7 We will recycle materials where practicable and encourage workplace practices which minimise waste. Examples include double-sided printing, recycling stations in café for paper, glass and recyclable plastics.
- 4.8 We will publish the independently verified BRANZ Group greenhouse gas emissions inventory and action plan.
- 4.9 We will conserve biological diversity, water resources, soils and ecosystems impacted by our activities.
- 4.10 We will ensure a range of workplace travel options are available and reported on to enable more sustainable travel, including consideration of whether travel is required. Examples include use of technology solutions for collaboration; flexible or remote working opportunities; car sharing; selecting energy efficient vehicles; training staff in fuel-efficient driving techniques.

## 5 Delegations and Accountability

- 5.1 The implementation of this policy is delegated to the Chief Executive.
- 5.2 The Chief Executive will prepare an annual action plan and report matters to the Board annually and by exception.
- 5.3 Management will oversee and monitor environmental performance and take appropriate action to support this policy.

### Update History

Section	Amendment Details	Prepared by	Approved by
All	Full review and reformat with aspects of Carver model. Use <a href="#">this link</a> to compare to previous version.	KBS	BRANZ Inc. Board

## Environmental Monitoring Initiatives

What	When	Who	How	Policy Objective Supported	Status
Electricity consumption – use the data from the individual metered locations and identify areas of potential savings.	2016-2022	Keith Clark and Andrew Pollard	Monitoring	Use energy efficiently	Implementation achieved in 2016. Andrew indicates, no significant opportunities identified from 2017, 2018, 2019 2020 data.
Water consumption below 1000 m <sup>3</sup> . (excludes draw off from neighbours).	2015-2022	Keith Clark, Andrew Pollard / Bruce Hay Chapman, and Colin Craddock	Monitoring	Reduce waste	2020 723 m <sup>3</sup> 2019 723 m <sup>3</sup> 2018 599 m <sup>3</sup> 2017 603 m <sup>3</sup> 2016 588 m <sup>3</sup> 2015 479 m <sup>3</sup>
Waste to landfill from Gantry skips below 80 tonnes.	2015 - 2022	Keith Clark, Peter Whiting / Technicians	Monitoring	Reduce waste By Exploring (in 2017/18) Concrete Re-direction from landfill <b>using</b> Ross Brady Earthworks, trial abandoned due to loading difficulties. 2019 Sourced two potential contractors that can process our concrete (Testing by-product) and see it reused in the base layers of NZ roads.	Achieved 2020 65T 2019 59T 2018 62T 2017 67T 2016 52T 2015 64T
Readings from our treatment plant – 1a) Faecal coliform 8 out of 12 samples less than 10,000 cfu/100ml; and,	End of 2015 - 2022	Keith Clark, Bruce Hay Chapman, and Colin Craddock	Monitoring	Comply with legal and statutory requirements	1a) Achieved in 2015, 2016, 2017 and 2019. Not achieved in 2018 and 2020.

What	When	Who	How	Policy Objective Supported	Status
<p>1b) yearly total to be less than 100,000 cfu/100ml.</p> <p>2 BOD/Suspended Solids /and ammonia nitrogen 8 out of 12 samples less than 10 g/m3.</p>					<p>1b) Achieved 2015, 2016, 2017. Not achieved in 2018, 2019 and 2020.</p> <p>2. Ammonium Nitrogen: Achieved 2015, 2017 and 2018 and 2020, Not achieved in 2016, 2018, and 2019.</p> <p>Suspended Solids, achieved 2015, 2016, 2017 2019 and 2020. Not achieved 2018.</p> <p>BOD: Achieved in 2015, 2016, 2017. Not achieved in 2018. 2019 and 2020.</p>
Consider replacing the BRANZ car with a hybrid, when the current vehicle is replaced. Informal review undertaken in 2016 and given current low vehicle mileage and repair costs the next appropriate review appears to be 2019.	2015-2022	Kaetrin Stephenson	Evaluation	Minimise Greenhouse Gas Emissions	<p>2020 Business case design and development initiated for replacement of Wellington based Car. Both car and van may be replaced in 2021.</p> <p>2019 Achieved. Review occurred of our 3 vehicles. Existing Diesel replaced with a PHEV Hyundai IONIQ vehicle. 2 vehicles scheduled for update in 2020/21.</p>

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					2015-2019 Car usage and condition doesn't support replacement.
The Campus and Asset Management Plan (C&AMP) includes provisions for Environmental Sustainability. Strive to realise best value.	2017-2022	Kaetrin Stephenson	Monitoring	Maintain a watching brief, and champion opportunities as necessary	<p>2020 No change to 2019 advice.</p> <p>2019 Work on updating the C&amp;AMP occurred. Car Park completed. Cable ducting provision for 6 rechargeable vehicle stations deployed. LCA quick to be used in West Side Campus development.</p> <p>2018 Limited action this year, new car park contains provision for electric vehicle charging. Additional tree planting. And, modelling of new building designs in train (Using LCA Quick).</p> <p>2017 Limited action this year.</p>
Develop BRANZ Group Sustainability Plan	2016-2022	Not currently assigned, subject to business case to support a sustainability assessment, before developing a	Evaluate	Work with interested parties to develop and agree sustainability plan for BRANZ Group.	<p>2020 Sustainability accepted as a strategic initiative by Board. With implementation led out by BRANZ CEO.</p> <p>2018/19 Initial discussion with EnviroMark on</p>

What	When	Who	How	Policy Objective Supported	Status
		Sustainability plan.			<p>participating in pilot project a Sustainability Assessment. Present high level options to ELT in March/April 2020.</p> <p>2018 Project stalled following Dr Bints departure from BRANZ.</p> <p>2017 Plan is currently Draft v4.</p>

BRANZ Consumption information is held within the current version of the BRANZ consumption Excel Spreadsheet. initiative information updated Jan 2020.