

SUMMARY OF TOITŪ NET CARBONZERO CERTIFICATION¹

FOR NEW ZEALAND GREEN BUILDING
COUNCIL



Summary for 01 July 2021 to 30 June 2022

TOITŪ NET CARBONZERO ORGANISATION CERTIFIED: NEW ZEALAND GREEN BUILDING COUNCIL

Toitū net carbonzero means committing to ongoing reductions while achieving annual measurement and compensation for at least the Toitū mandatory emissions.ⁱⁱ



Measured emissions to ISO
14064-1:2018 and [Toitū
requirements](#)



Managing and reducing against
[Toitū requirements](#)



Compensated remaining
emissions following [Toitū
requirements](#) and covering
minimum of [total Toitū
boundary](#)

This report provides a summary of the annual greenhouse gas (GHG) emissions inventory and management report for The New Zealand Green Building Council as part of the annual work to achieve Toitū net carbonzero certification. Additional details of the annual achievements, commitments, and verification are available on request from The New Zealand Green Building Council.

The purpose of this report is to take, measure and manage our GHG emissions, which contribute to our overall company sustainability goals, our Climate Leaders Coalition targets and corporate responsibility.

ACHIEVEMENTS

These achievements have been verified in line with ISO 14064-3:2019 and Toitū net carbonzero Programme Technical Requirements for the 01 July 2021 to 30 June 2022 measurement period.

EMISSIONS MEASUREMENT

The New Zealand Green Building Council's greenhouse gas emissions for this year (01 July 2021 to 30 June 2022) were 13.23 tCO₂e. The New Zealand Green Building Council has measured the emissions resulting from its operational activities, purchased energy, and selected impacts from its value chain activities, including business travel, freight, and waste sent to landfill. The annual inventory is detailed in the following table. Emissions and reductions are reported using a market-based methodology.ⁱⁱⁱ

Category (ISO 14064-1:2018)	Scopes (GHG Protocol)	GHG emissions (tCO ₂ e)		
		Base Year 2019/2020	Previous Year 2020/2021	Current Year 2021/2022
Category 1: Direct emissions	Scope 1	0.00	0.00	0.00
Category 2: Indirect emissions from imported energy (market-based method*)	Scope 2	1.21	1.40	0.00
Category 3: Indirect emissions from transportation	Scope 3	21.52	12.39	13.18
Category 4: Indirect emissions from products used by organisation	Scope 3	0.16	0.13	0.05
Category 5: Indirect emissions associated with the use of products from the organisation	Scope 3	0.00	0.00	0.00
Category 6: Indirect emissions from other sources	Scope 3	0.00	0.00	0.00
Total gross emissions*		22.89	13.91	13.23
Category 1 direct removals		0.00	0.00	0.00
Total net emissions		22.89	13.91	13.23

*Gross and net emissions are reported using a market-based methodology. Contact The New Zealand Green Building Council for full details.

The operational GHG emission sources included in this inventory are shown in Figure 1 below.

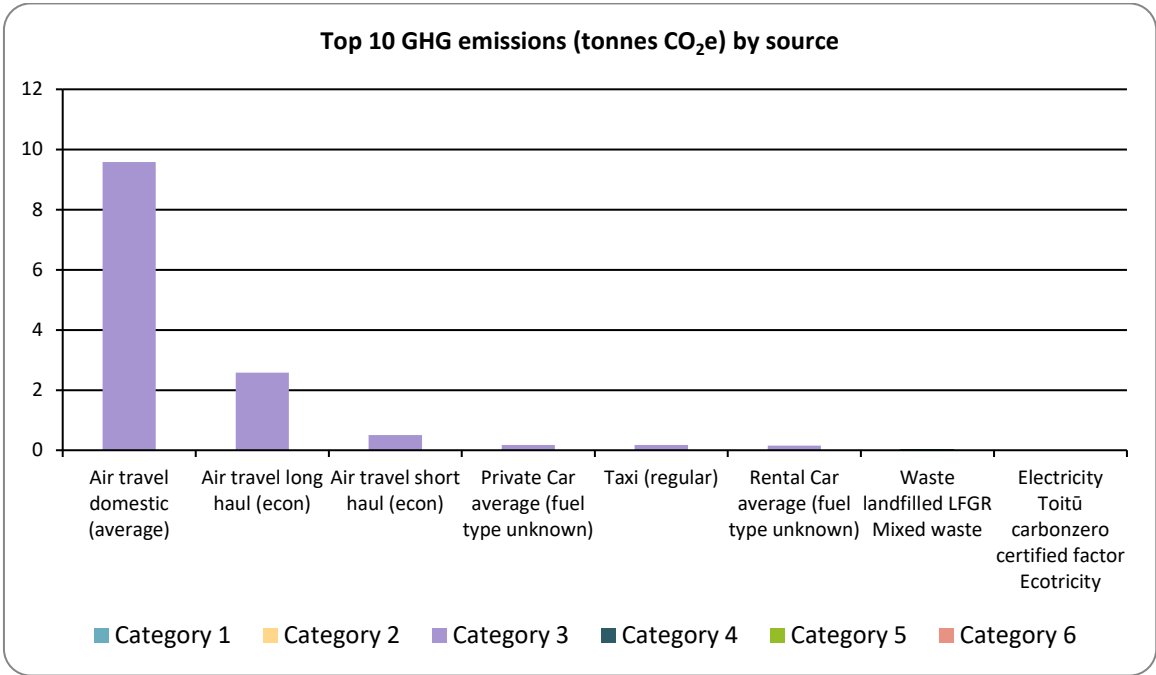


Figure 1: Top 10 GHG emissions (tonnes CO₂e) by source

SCOPE OF MEASURED INVENTORY

CONSOLIDATION APPROACH

An operational control consolidation approach was used to account for emissions. Organisational boundaries were set with reference to the methodology described in the GHG Protocol and ISO 14064-1:2018 standards.^{iv}

This approach was chosen because as a single site organisation it best reflects our emission sources.

BOUNDARIES

We are a small not for profit organisation of 28 people located in Auckland CBD.

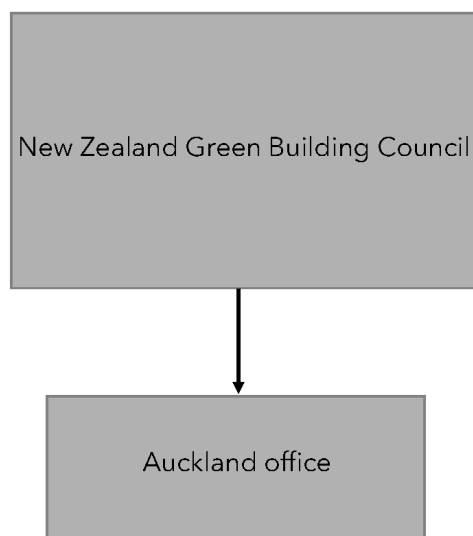


Figure 2: Organisational structure showing business units included and excluded

Excluded emissions do not exceed 5% of the total footprint within the organisation boundary stated.

MANAGING AND REDUCING

This is the third year of reporting under the Toitū net carbonzero programme. An absolute reduction in Category 1 and 2 emissions of 1.21 tCO₂e has been occurred against base year. A reduction in emissions intensity (for Category 1, 2 and mandatory Category 3 and 4 emissions) of 2.24 tCO₂e/\$M has been achieved based upon a 3-year rolling average, adjusted for inflation.



Figure 3: Performance against target since the base year

We are on track to achieving our emission reduction targets for 2030. Our emission total is similar to last year, even though our staff number has increased.

We are tracking very well toward our 2030 targets for all scopes. Scope 2 emissions are almost 0 now that we have switched the electricity provider to Ecotricity (carbon zero).

Target name	Baseline period	Target date	Type of target (intensity or absolute)	Current performance (tCO ₂ e)	Current performance (%)	Comments
An absolute reduction in Scope 1 and Scope 2 GHG emissions (combined)	2019-2020	2030	Absolute	0	-43%	
An absolute reduction in Scope 1, Scope 2, and Scope 3 Mandatory GHG emissions (combined)	2019-2020	2030	Absolute	0	-100%	
A reduction in GHG emissions intensity for Scope 1, Scope 2, and Scope 3 emissions (combined) reported as CO ₂ e per \$M Revenue	2019-2020	2030	Absolute	13	-49%	

COMPENSATION FOR EMISSIONS

The New Zealand Green Building Council is committed to doing no harm while working on reducing emissions. Accordingly, The New Zealand Green Building Council has invested in carbon credit projects to compensate for the Toitū mandatory emissions resulting from their operations this year. ⁱⁱ

Avoidance credits: 13 (2 from #0399, Fair Trade Biogas CDM Project of Bagepalli Coolie Sangha and 11 from #0358, Gyapa Cook Stoves Project in Ghana)

Removal credits: 1 from #0405, PFSI Hinewai Forest

All carbon credits have been cancelled on the Toitū Envirocare register and will be cancelled (or equivalent) on the relevant external registry within one month of certification. Specific details of cancellation, including serial numbers, will be available on the external registry: NZETR www.epa.govt.nz/industry-areas/emissions-trading-scheme/market-information/voluntary-unit-cancellations and Gold Standard <https://registry.goldstandard.org/credit-blocks>

COMMITMENTS

REDUCTION TARGETS

The New Zealand Green Building Council is committed to managing and reducing its emissions. The New Zealand Green Building Council's commitments, including GHG emissions reduction targets and plans, have been reviewed and are in line with Toitū net carbonzero programme requirements.

Our targets are in line with the Climate Leaders Coalition targets - committed to reaching 30% carbon reduction by 2030, and net zero by 2050.

The New Zealand Green Building Council has committed to reducing total category 1 and 2 emissions in compliance with Toitū requirements. In doing so, The New Zealand Green Building Council has established reduction targets, pathways and plans:

- Reduce absolute total category 1 and 2 emissions by 79%, by 2030, relative to base year
- Reduce Scope 1, 2 and Scope 3 Mandatory emissions by 49%, by 2030, relative to base year

Looking ahead, The New Zealand Green Building Council is currently focused on the following projects:

Objective	Project	Responsibility	Completion date	Potential co-benefits	Potential unintended consequences	Actions to minimise unintended consequence
Domestic Air travel (Scope 3)	As domestic travel contributes to most of our overall emissions, this will be a focus point for NZGBC's emission reductions in scope 3. The emissions will be reported annually through Toitū / Emanage.	Collation & assessment of data = Rachel / Brad (Invoices from Ann) All staff responsible for conscious reduction of air travel (only necessary travel).	30/06/2020			
Electricity (Scope 2)	In scope 2, our aim will be to reduce the amount of coal and gas powered electricity we use. The emissions will be reported annually to track progress.	Collation & assessment of data = Rachel / Brad (invoices from Ann).	30/06/2020			
	Staff must turn off any appliances not in use, meeting room lights, unplug chargers not in use from the wall.	All staff responsible for conscious reduction.				
Electricity (Scope 2)	We have changed our electricity provider to 'Ecotricity' to ensure minimisation of our scope 2 emissions.	Brad	8/03/2021			
Electricity (Scope 2)	More efficient lighting and laptops	Rachel to liaise with Ops team	30/06/2020			
Domestic land travel - taxi and private car use (Scope 3)	The emissions will be reported annually to track progress using Toitū Emanage.	Collation / assessment of data = Rachel / Brad (invoices from Ann).	30/06/2020			
	Using virtual meeting platforms instead of in-person meetings where possible.	All staff responsible for consciously reducing travel using private car's and taxi's.				
All land travel for events and education (Scope 3)	Informal policy in place to make sure all staff and clients are using public transport where possible to events. When advertising our events we will provide information on the different routes of public transport where possible.	Rachel	30/06/2021			

CERTIFICATE DETAILS

Certification status:	Toitū net carbonzero certified organisation
Certificate number:	2020140J, Year 3 of 3-year certificate period
Valid until:	30 November 2023
Measurement period:	01 July 2021 to 30 June 2022
Base year:	01 July 2019 to 30 June 2020
Audited by:	Toitū Envirocare
Level of assurance:	Reasonable

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Disclaimer: This Certification Summary Statement is a summary of the information (validated and verified for relevant components of the certification) considered for certification and the certification decision. It should not be taken to represent the full submission for certification. Whilst every effort has been made to ensure that the information in this Statement is accurate and complete, Enviro-Mark Solutions Limited (trading as Toitū Envirocare) does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

ⁱⁱ The mandatory sources that must be included in any Toitū carbon programme inventory include:

- All direct emissions from the activities of the organisation, or the part of the organisation being certified. Direct emissions come from assets owned or controlled by the organisation, such as emissions from fleet vehicles, boilers, generators and HVAC systems.
- All emissions from imported energy (electricity, heat and steam)
- Emissions from business travel and freight paid for by the organisation
- Emissions associated with waste disposed of by the organisation, as well as the transmission and distribution of electricity, and natural gas

ⁱⁱⁱ All purchased and generated energy emissions are dual reported using both the location-based method and market-based method in the certified Inventory Report and appendices. This summary document presents the information using the market-based method. Note that reductions and any required compensation are assessed using that method. Dual reporting illustrates the role of supplier choice, onsite renewable energy generation and contractual instruments in managing indirect emissions from energy alongside any ongoing energy efficiency and reduction efforts. This dual reporting aligns with ISO 14064-1:2018 and the GHG Protocol. Please contact this organisation for the dual reporting details applicable to this inventory.

^{iv} Control: the organisation accounts for all GHG emissions and/or removals from facilities over which it has financial or operational control. Equity share: the organisation accounts for its portion of GHG emissions and/or removals from respective facilities.