



PUBLIC DISCLOSURE STATEMENT

SWISSE WELLNESS PTY LTD

ORGANISATION CERTIFICATION


CY2021

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Swisse Wellness Pty Ltd
REPORTING PERIOD	1 January 2021 – 31 December 2021 Arrears report
DECLARATION	<p><i>To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.</i></p>  <p>Pascale Laborde Chief Sustainability Officer</p> <p>Date 17 August 2023</p>



Australian Government
**Department of Industry, Science,
Energy and Resources**

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Version March 2022. To be used for FY20/21/CY2021 reporting onwards.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	15,292 tCO ₂ -e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	118.98% (Australian electricity consumption)
TECHNICAL ASSESSMENT	Next technical assessment due: CY2022 report

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2. CARBON NEUTRAL INFORMATION

Description of certification

This certification covers the operations of Health & Happiness (H&H) Group, with more than 30 sites worldwide and consumer facing brands Swisse, Biostime, Good Goût, CBII and Dodie. The certification is an expansion of the Swisse Wellness Heritage (Swisse Wellness Pty Ltd, ABN 62 004 926 005) in the Climate Active program for operations in Australia.

This certification includes the services and energy used and consumed by its offices, factories, warehouses, and laboratories. Embodied emissions in product ingredients, packaging and supply are excluded.

Organisation description

Health & Happiness Group (H&H) (formerly Biostime Group) is a global premium family nutrition and wellness provider founded in 1999 and is listed on the Hong Kong Stock Exchange. H&H Group produces products that reach consumers across all life stages, from preconception and pregnancy health, to babies and infants, children, teenagers, adults of various ages, the elderly and even extends to pets in 2021.

Maintaining environmentally responsible business practices is considered a priority at H&H and is in line with the organisation's overall philosophy of caring for people and the planet.

Swisse has been certified carbon neutral under the predecessor to Climate Active, the National Carbon Offset Scheme (NCOS), since FY2011, making Swisse one of the longest certified carbon neutral companies in Australia. This reporting period marks the commencement of reporting by calendar year and of including the emissions from the wider H&H Group within the Swisse certification. The addition of these international emissions will result in a significant increase in reported emissions compared with previous years where only domestic emissions were recorded in the carbon account.

As a global company, the Health & Happiness Group has offices and warehouse in the following locations:

Countries			
Australia	China	France	Hong Kong
India	Ireland	Italy	Netherlands
New Zealand	Singapore	Switzerland	Thailand
United Kingdom	United States		

“We believe that good health and wellbeing should extend beyond individuals, to encompass the world we live in and our wider community.”

3.EMISSIONS BOUNDARY

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

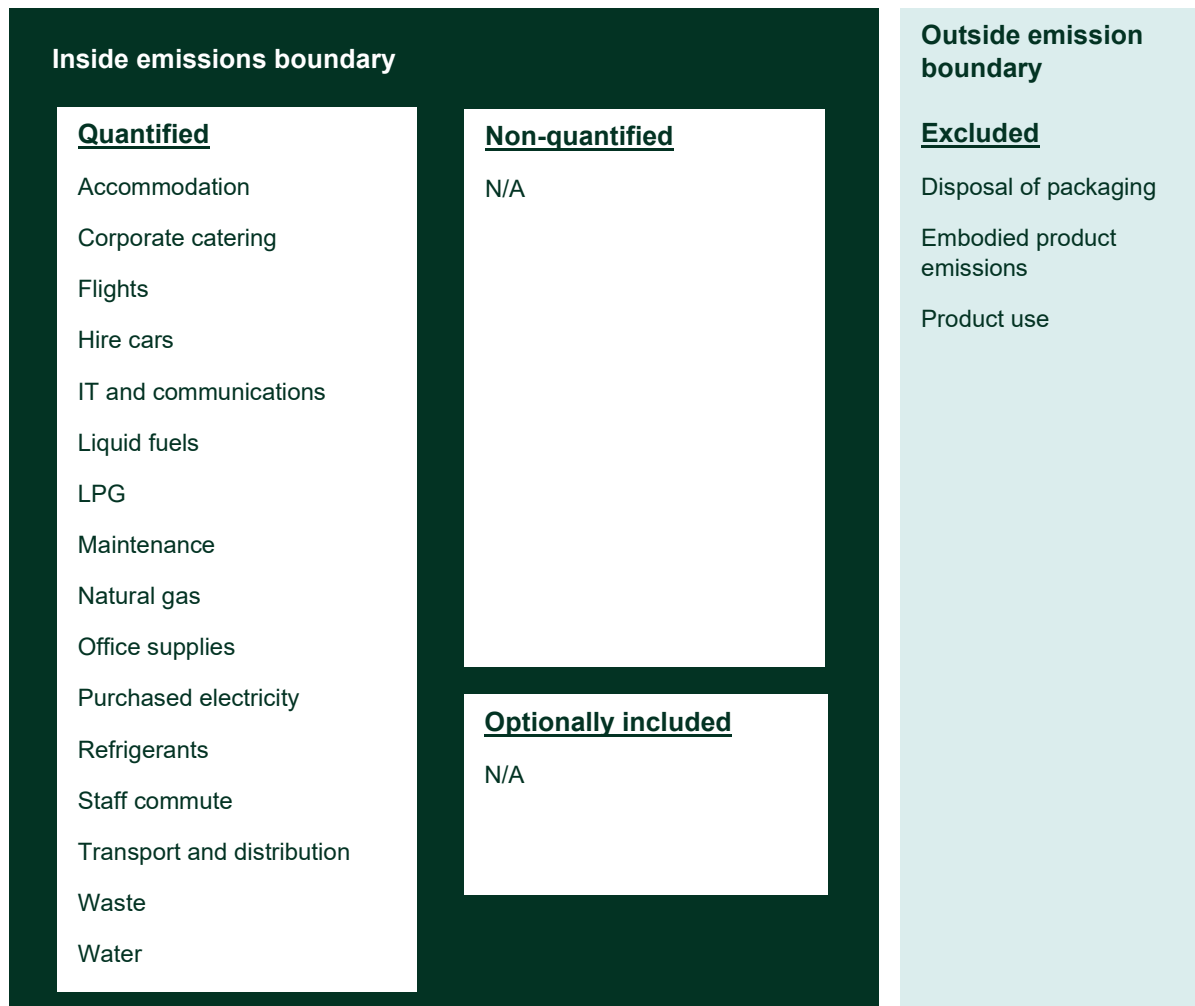
Quantified emissions have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however are **optionally included**.

Non-quantified emissions have been assessed as relevant and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the emissions boundary

Excluded emissions are those that have been assessed as not relevant to an organisation’s or precinct’s operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

Diagram of the certification boundary



Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

While no data sources were non-quantified and so the requirement for a data management plan was not triggered, Swisse is always looking to improve the quality of the data used in its sustainability reporting and in its Climate Active certifications.

Swisse uses a survey to obtain the underlying data from each of the 104 sites included in this certification boundary. This survey spans seven native languages and thirteen countries. The structure of this survey is reviewed regularly to identify changes that can improve the quality of the data. These improvements will enhance the accuracy of the large and complex dataset and are earmarked to be implemented annually.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

As electricity emissions are a key emissions sources, we have prioritised five projects in our manufacturing sites in Guangzhou and Changsha, China.

Some examples of projects are summarized below:

- Replacing the ice water main engine at our Changsha site: Our new engine, with a cool capacity of 886kW, allows us to save 270,000kWh per year – representing 7.8% of the total electricity consumption of the site.
- Upgrading the refrigeration machine in our R&D centre and manufacturing facility in Science City, Guangzhou: We transformed the cool control storage to add a precise Programmable Logic Control system, which supports a more sustainable optimization of the system. This optimizes the reactive power through reducing the running time of the compressor and air cooler, allowing us to save 300,000kWh per year – representing around 4% of the total electricity consumption of the site.
- Launching an energy efficiency monitoring and analysis platform, to identify electricity saving options: We will implement this digital energy data collection and analysis system in March 2022. It will provide real-time electricity, water and compressed air consumption monitoring across the site, factory and include a reporting function to show the unit energy consumption versus our reduction target. It will also be equipped with artificial intelligence (AI) analysis, aiming to identify further electricity saving opportunities.

Health and Happiness complete sustainability report for 2021, which provides further information on our emissions reductions activities can be viewed [online](#).

Emissions reduction actions

To reduce our footprint on the planet electricity from renewable energy sources was used across all our operations both in Australia and internationally. This resulted in a 4% reduction in our absolute emissions from 2020.

5. EMISSIONS SUMMARY

Emissions over time

Emissions have decreased, despite organic growth in the business, due to efforts undertaken to reduce our carbon footprint including energy efficiency improvements and waste reduction measures particularly focusing our efforts on our operational sites where emissions are most material. Further, the impact of COVID-19 reduced certain emissions, such as from flights.

Emissions since base year		Total tCO ₂ -e
Base year:	2019	16,586
Year 1:	2020	15,933
Year 2	2021	15,292

*Note that Swisse has been certified carbon neutral since 2011. A base year recalculation was triggered in CY2019 resulting in the change of base year.

Significant changes in emissions

Emission source	Current year (tCO ₂ -e)	Previous year (tCO ₂ -e)	Reason for change
Air travel	4,827	2,688	Increased travel due to change of COVID-19 restrictions internationally
Postage, Courier and Freight	4,297	4,734	Reduce used due to the impact of COVID-19 restrictions in Australia
Land and Sea Transport (employee and business travel)	1,834	2,773	Reduce travel to the impact of COVID-19 restrictions in Australia
General Waste (municipal waste)	2,030	3,095	Improvement of waste management systems

Use of Climate Active carbon neutral products and services

The professional services employed to develop Swisse's carbon inventory are certified carbon neutral. Under Climate Active, the procurement of the services have not contributed to the client's account.

Organisation emissions summary

Electricity emissions were calculated using a market-based approach for Australian usage.

Consistent with Climate Active's currently evolving guidance on international electricity, international electricity consumption was matched with corresponding RECs, however a residual mix factor was unavailable. Each REC surrendered against the international electricity emissions is accounted for as the equivalent of 1 MWh multiplied by the regionally appropriate grid emissions factor.

Emission category	Sum of Scope 1 (tCO ₂ -e)	Sum of Scope 2 (tCO ₂ -e)	Sum of Scope 3 (tCO ₂ -e)	Sum of total emissions (tCO ₂ -e)
Accommodation and facilities	0	0	35	35
Carbon neutral products and services	0	0	0	0
Cleaning and chemicals	0	0	0	0
Construction materials and services	0	0	191	191
Electricity (Australia)	0	0	0	0
Electricity (international usage)	0	2	0	2
Food	0	0	11	11
ICT services and equipment	0	0	19	19
Machinery and vehicles	0	0	0	0
Office equipment & supplies	0	0	19	19
Postage, courier and freight	0	0	4298	4298
Refrigerants	253	0	0	253
Stationary energy	652	0	51	703
Transport (air)	0	0	4827	4827
Transport (land and sea)	830	0	1882	2712
Waste	0	0	2033	2033
Water	0	0	189	189
Working from home	0	0	0	0
Total	1,735	2	13,555	15,292

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

No uplift factor was used to develop Swisse's CY21 inventory.

6. CARBON OFFSETS

Offsets retirement approach

In arrears	
1. Total number of eligible offsets banked from last year's report	0
2. Total emissions footprint to offset for this report (tCO ₂ -e)	15,292
3. Total eligible offsets required for this report	15,292
4. Total eligible offsets purchased and retired for this report	15,933
5. Total eligible offsets banked to use toward next year's report	641

Co-benefits

EXTRAORDINARY IMPACT

OFFSET PROJECT CATEGORY OVERVIEW

Across India, wind farms introduce clean energy to the grid which would otherwise be generated by coal-fired power stations. Wind power is clean in two ways: it produces no emissions and also avoids the local air pollutants associated with fossil fuels. Electricity availability in the regions have been improved, reducing the occurrence of blackouts across the area.

The projects support national energy security and strengthen rural electrification coverage. In constructing the turbines new roads were built, improving accessibility for locals. The boost in local employment by people engaged as engineers, maintenance technicians, 24-hour on-site operators and security guards also boosts local economies and village services.

The projects meet the following Sustainable Development Goals



EXTRAORDINARY IMPACT

OFFSET PROJECT CATEGORY OVERVIEW

Wind Power Projects constructed across China introduce clean energy into the nation's rapidly expanding power grid, which has traditionally been dominated by fossil fuel-fired power plants. The location of these renewable energy power plants are strategically important with many located on power grids that supply China's main population centers, such as China's capital city, Beijing.

Wind power has some of the lowest environmental impacts of any source of electricity generation. Unlike conventional sources, wind power significantly reduces carbon emissions, saves billions of gallons of water a year and cuts pollution that creates smog and causes health problems. These projects also create employment in the emerging renewable energy industry and help to stimulate local business development.

The projects meet the following Sustainable Development Goals



Eligible offsets retirement summary

Offsets retired for Climate Active carbon neutral certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity (tCO ₂ -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
150 MW grid connected Wind Power based electricity generation project in Gujarat, India	VCUs	VERRA	20 May 2021	9085-66450525-66464067-VCS-VCU-1491-VER-IN-1-292-01012017-31122017-0	2017	0	13,543	0	0	13,543	88%
Ningxia Xiangsham Wind Farm Project, China	VCUs	VERRA	20 May 2021	6827-345860492-345862881-VCU-034-APX-CN-1-1867-01012018-31122018-0	2018	0	2,390	0	641	1,749	12%
Total offsets retired this report and used in this report										15,292	
Total offsets retired this report and banked for future reports									641		

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Verified Carbon Units (VCUs)	15,292	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

1. Large-scale Generation certificates (LGCs)*	1,098
2. Other RECs	12,861

* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements), and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Eligible units	Registry	Surrender date	Accreditation code (LGCs)	Certificate serial number	Generation year	Quantity (MWh)	Fuel source	Location
Stockland Baringa Shopping Centre - Birtinya - Solar - QLD	LGC	REC Registry	9 June 2022	SRPVQLM2	228-258	2021	31	Solar	QLD, Australia
Stockland Gladstone - Solar - QLD	LGC	REC Registry	9 June 2022	SRPVQLI7	566-636	2021	71	Solar	QLD, Australia
Stockland Burleigh Heads - Solar - QLD	LGC	REC Registry	9 June 2022	SRPVQLD5	795-886	2021	92	Solar	QLD, Australia
Stockland Yennora - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNSQ4	501-568	2021	68	Solar	NSW, Australia
Stockland Shellharbour - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNS38	751-836	2021	86	Solar	NSW, Australia

Stockland Shellharbour - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNS38	677-750	2021	74	Solar	NSW, Australia
Stockland Shellharbour - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNS38	585-676	2021	92	Solar	NSW, Australia
Stockland Shellharbour - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNS38	453-584	2021	132	Solar	NSW, Australia
Stockland Shellharbour - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNS38	318-452	2021	135	Solar	NSW, Australia
Stockland Shellharbour - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNS38	175-317	2021	143	Solar	NSW, Australia
Stockland Shellharbour - Solar - NSW	LGC	REC Registry	9 June 2022	SRPVNS38	1-174	2021	174	Solar	NSW, Australia
	REGO	Ofgem Registry	24 March 2022	N/A	G01940BWEN00002831 6010121310121GEN	2021	591	Biomass	United Kingdom
	I-REC	Evident Registry	28 March 2022	N/A	0000-0001-1661-8709 to 0000-0001-1662-9313	2021	10,605	Hydroelectric	China
	I-REC	Evident Registry	28 March 2022	N/A	0000-0001-5038-6047 to 0000-0001-5038-7042	2021	996	Hydroelectric	China
	I-REC	Evident Registry	28 March 2022	N/A	0000-0001-5038-7043 to 0000-0001-5038-7082	2021	40	Hydroelectric	China
	I-REC	Evident Registry	1 December 2022	N/A	0000-0003-5356-7756 to 0000-0003-5356-7765	2021	10	Biomass	Singapore

EECS	European Energy Certificate System	28 March 2022	N/A	8032551320000000000 0738580907 to 8032551320000000000 0738580936	2021	30	Solar	Switzerland
GOs	VREG	31 March 2022	N/A	16367514	2021	263	Solar	Italy
EECS	European Energy Certificate System	29 March 2022	N/A	DB66DB3430900CAE05 30AA0009100CA	2021	30	Solar	Italy
GOs	European Energy Certificate System	30 March 2022	N/A	8032551320000000000 0738580937 to 8032551320000000000 0738580956	2021	20	Solar	Netherlands
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	7080003430067000000 000155540207 to 7080003430067000000 000155540215	2021	9	Hydroelectric	Norway
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	6430024065559037100 00137707062 to 6430024065559037100 00137707070	2021	9	Steam turbine with condensation turbine	France
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	3613580000000000005 82792440 to 3613580000000000005 82792448	2021	9	Hydroelectric	Iceland

GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	361358000000000006 04329014 to 361358000000000006 04329022	2021	9	Solar Farm	France
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	8716867999938000001 50284457937 to 8716867999938000001 50284457945	2021	9	Thermal	France
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	3613580000000000057 6774435 to 3613580000000000057 6774443	2021	9	Thermal	Netherlands
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	3613580000000000056 6885800 to 3613580000000000056 6885808	2021	9	Solar /Photovoltaic	France
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	5606090000000000060 068678 to 5606090000000000060 068686	2021	9	Solar Farm	France
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	6430024065560031000 01506922379 to 6430024065560031000 01506922387	2021	9	Photovoltaic /Classic silicon	Portugal
GOs	French Registry for Guarantees of Origin	28 March 2022	N/A	3613580000000000061 6988801 to 3613580000000000061 6988809	2022	9	Wind /On-shore	Sweden

I-REC	Evident Registry	29 March 2022	N/A	0000-0001-6047-3251 to 0000-0001-6047-3262	2021	12	Hydroelectric	India
REC	M-RETS	29 March 2022	N/A	787-MB-07-2022- 04D07A52-94452-946	2020	174	Hydroelectric	United States
Total certificates surrendered this report and used in this report						13,959		



APPENDIX A: ADDITIONAL INFORMATION

H&H Group engages with its supply chain on environmental, social and governance issues. In 2021, 100% of new contract manufacturers sign our Supplier Code of Conduct, which details our expectations regarding environmental, social and governance topics referencing international standards and benchmarks such as those of the United Nations. In 2021, 88% of manufacturers completed our sustainability assessment and of those, over 77% had environmental targets in place.

H&H Group's 2021 Sustainability report can be found [here](#).

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions were calculated using a **market-based approach for Australian usage**.

Consistent with Climate Active's currently evolving guidance on international electricity, international electricity consumption was matched with corresponding RECs, however a residual mix factor was unavailable. Each REC surrendered against the international electricity emissions is accounted for as the equivalent of 1 MWh multiplied by the regionally appropriate grid emissions factor.

Market Based Approach Summary			
Market Based Approach	Activity data (kWh)	Emissions (kgCO ₂ -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	0	0	0%
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	1,098,000	0	100%
GreenPower	0	0	0%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	203,467	0	19%
Residual Electricity	-204,019	-202,867	-19%
Total grid electricity	1,097,448	-202,867	100%
Total Electricity Consumed (grid + non grid)	1,097,448	-202,867	119%
Electricity renewables	1,301,467	0	
Residual electricity	-204,019	-202,867	
Exported on-site generated electricity	0	0	
Emissions footprint (kgCO ₂ -e)		0	
Total renewables (grid and non-grid)	118.59%		
Mandatory	18.54%		
Voluntary	100.05%		
Behind the meter	0.00%		
Residual electricity emissions footprint (tCO₂-e)	0		

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location Based Approach Summary

Location Based Approach	Activity data (kWh)	Scope 2 emissions (kgCO ₂ -e)	Scope 3 emissions (kgCO ₂ -e)
NSW	517,713	403,816	36,240
VIC	579,735	527,559	57,974
Grid electricity (scope 2 and 3)	1,097,448	931,375	94,213
NSW	0	0	0
VIC	0	0	0
Non-grid electricity (behind the meter)	0	0	0
Total electricity consumed	1,097,448	931,375	94,213

Emissions footprint (tCO₂-e)	1,026
Scope 2 emissions (tCO ₂ -e)	931
Scope 3 emissions (tCO ₂ -e)	94

Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity Data (kWh)	Emissions (kgCO ₂ e)
N/A	0	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

N/A – there are no non-quantified emission sources in the emissions boundary of this certification for CY21.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Disposal of packaging	No	No	No	No	No	No
Embodied product emissions	Yes	No	No	No	No	No
Product use	No	No	No	No	No	No



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