



PUBLIC DISCLOSURE STATEMENT

**BRINDABELLA CHRISTIAN EDUCATION
LIMITED (TRADING AS BRINDABELLA
CHRISTIAN COLLEGE)**

**ORGANISATION CERTIFICATION
CY2022**

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Brindabella Christian College
REPORTING PERIOD	1 January 2022 – 31 December 2022 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><i>Signature here</i> </p> <p>John R Clarke</p> <p>Name of signatory John Clarke Position of signatory Business Manager Date 23 February 2024</p>



Australian Government

Department of Climate Change, Energy,
the Environment and Water

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Version August 2023.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,321 tCO ₂ -e
OFFSETS USED	VCUs, 100%
RENEWABLE ELECTRICITY	93%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	Date: 28/07/2021 Name: Chris Wilson Organisation: Pangolin Associates Next technical assessment due: CY2023

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2. CARBON NEUTRAL INFORMATION

Description of certification

This certification includes all staff and operations of the Brindabella Christian College (ABN 21 100 229 669) for the 2022 Calendar Year.

Organisation description

Brindabella Christian Education Limited (BCEL) is a Private non-denominational Christian co-educational early learning, primary and secondary day school, located in the Canberra suburbs of Charnwood and Lyneham, in the Australian Capital Territory, Australia.

The vision of Brindabella Christian College is to advance a community of wisdom in and through Christian education.

This means that everything we do promotes the ability to develop and apply knowledge, insight, good judgement and experience, integrated with a deep and growing knowledge of the will of God - a community where individuals are supported to live full, productive and purposeful lives, to carry hope in their hearts, to develop an awareness of the social consequences of personal actions and where the wellbeing of all is pursued. It is our desire that each member of our community will engage fearlessly with the Truth, responsibly with Creation and compassionately with others.

Educationally our Campus in Lyneham offers education in our Early Learning Centre from 3-years of age to pre-kindergarten, and we operate Kindergarten to Years-12 in our Junior, Middle and Senior School facilities. Within the scope of our educational delivery our goal is to operationally reach a Carbon Neutral footprint across all our college educational facilities and use the platform to engage and educate our students in responsible use of natural resources.

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 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.

Inside emissions boundary

Quantified

- Accommodation and facilities
- Bespoke
- Cleaning and chemicals
- Climate Active carbon neutral products and services
- Construction materials and services
- Electricity
- Food
- ICT services and equipment
- Machinery and vehicles
- Postage, courier and freight
- Products
- Professional services
- Refrigerants
- Stationary energy (gaseous fuels)
- Transport (air)
- Transport (Land and Sea)
- Waste
- Water
- Working from home
- Office equipment and supplies

Non-quantified

N/A.

Outside emission boundary

Excluded

N/A.

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

In 2021, Brindabella Christian College committed to developing a detailed emission reduction strategy and renewable energy program over the next two years with the intention of intertwining this into our core College educational curriculum. While this is still being finalised, Brindabella will endeavour to meet the minimum Climate Active requirements to reduce total Scope 1, 2 and 3 emissions by at least 30% on the CY2020 baseline by 2030. We acknowledge that most of this reduction will need to be derived from within our supply chain, and plan to meet this commitment by:

- Implementing a sustainable supply chain policy that screens, applies metrics and prioritizes suppliers that publicly report on emissions and take demonstrable climate change action. This will initially target key service providers that contribute to our emissions profile including:
 - Computer and technical services
 - Construction materials and services
 - Publications, subscriptions and periodicals providers
 - Advertising
 - Cleaning Services

Brindabella are aware for example, that one of our key IT service providers are 100% carbon neutral, and so we will continue to engage with suppliers like these to measure and recognise their action on climate change within our own supply chain.

- Reduce the volume of cleaning requirements from daily vacuuming to once or twice a week, plus necessary spot cleaning as required
- Continue to increase the footprint of the existing Solar Capture Systems across the College, adding additional capacity to our on-site solar generation, alongside ongoing monitoring of the performance of the solar systems. Please note that renewable electricity is not shown in the electricity table due to the lack of data for FY2022; however, we will strive to improve this for future reporting periods.
- Specifically, providing additional solar capture by way of introducing innovative and aesthetic glass solar capture canopies across all College Walkways
- Provide Solar Capture, Storage and Consumption Information to the students on TV Screens and mobile devices via Wi-Fi in age-appropriate educational formats
- Strengthen waste recycling targets and implement circular economy principles to not only recycle waste, but also reuse and repair what we can. In addition, separate out, collect and recycle refundable bottles and cans to help fund educational resources for the students.
- Explore opportunities to replace natural gas or supply with GreenGas, and in the case of existing College BBQ facilities, remove Gas supplied units in favor of our Solar Tree powered electric Solar BBQ's
- Look to breakdown spend on food & catering to understand how high emitting food and beverage types can be phased out

Emissions reduction actions

Due to COVID many of the proposed emissions reductions were not able to be undertaken, as some relied on the completion of the building construction.

Recycling of cans and bottles began with donating these to St Vincents for its charitable activities. Recycling of superseded IT equipment to schools in Cambodia and elsewhere also occurred.

5.EMISSIONS SUMMARY

Emissions over time

		Emissions since base year
		Total tCO ₂ -e (without uplift)
Base year/Year 1:	2020	1,131.96
Year 2:	2021	1,187.0
Year 3:	2022	1,320.77

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Non-residential building construction and interior finishing	278.89	422.19	The College has been growing rapidly in enrolments and the non-residential building construction is to provide for an increase in enrolments from about 840 in 2021 to 1200 by the beginning of 2024.

Use of Climate Active carbon neutral products, services, buildings or precincts

Certified brand name	Product/Service/Building/Precinct used
Winc	Copy paper

Emissions summary

The electricity summary is available in the Appendix B. Electricity emissions were calculated using a market -based approach.

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 (t CO ₂ -e)
Accommodation and facilities	0.00	0.00	1.49	1.49
Cleaning and chemicals	0.00	0.00	65.10	65.10
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	466.81	466.81
Electricity	0.00	27.92	7.65	35.57
Food	0.00	0.00	34.00	34.00
ICT services and equipment	0.00	0.00	81.37	81.37
Machinery and vehicles	0.00	0.00	2.69	2.69
Postage, courier and freight	0.00	0.00	1.42	1.42
Products	0.00	0.00	0.25	0.25
Professional services	0.00	0.00	311.08	311.08
Refrigerants	1.30	0.00	0.00	1.30
Stationary energy (gaseous fuels)	33.28	0.00	8.46	41.74
Transport (air)	0.00	0.00	7.46	7.46
Transport (Land and Sea)	6.04	0.00	141.34	147.38
Waste	0.00	0.00	97.02	97.02
Water	0.00	0.00	5.06	5.06
Working from home	0.00	0.00	1.12	1.12
Office equipment and supplies	0.00	0.00	19.91	19.91
Total emissions	40.61	27.92	1252.24	1320.77

Uplift factors

N/A.

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 1321 t CO₂-e. The total number of eligible offsets used in this report is 1321. Of the total eligible offsets used, 0 were previously banked and 1321 were newly purchased and retired. 0 are remaining and have been banked for future use.

Co-benefits

Rimba Raya

Rimba Raya is situated in Central Kalimantan in Indonesian Borneo. Covering land approximately the same size as Singapore, it is known as one of the largest Orangutan sanctuaries in the world. Offering a viable alternative to deforestation, a practice very common in the area, the project has a wealth of benefits to the biodiversity of the region and the surrounding communities. Rimba Raya is home to over 300 species of birds, 122 species of mammals and 180 species of trees and plants. The project has strong community based initiatives including increased employment for communities, greater access to medical and health services, and assistance with education.

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 retired (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 (%)
Rimba Raya Biodiversity Reserve Project	VCUs	Verra	21/02/2024	9900-157299462-157300282-VCS-VCU-263-VER-ID-14-674-01012018-31122018-1	2018	0	821	0	0	821	62%
Rimba Raya Biodiversity Reserve Project	VCUs	Verra	21/01/2024	9900-157298462-157298961-VCS-VCU-263-VER-ID-14-674-01012018-31122018-1	2018	0	500	0	0	500	38%
Total eligible offsets retired and used for this report										1321	
Total eligible offsets retired this report and banked for use in future reports										0	
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Verified Carbon Units (VCUs)		1321					100%				

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

N/A.

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

Location-based method:

The location-based method provides a picture of a business's electricity emissions in the context of its location, and the emissions intensity of the electricity grid it relies on. It reflects the average emissions intensity of the electricity grid in the location (State) in which energy consumption occurs. The location-based method does not allow for any claims of renewable electricity from grid-imported electricity usage.

Market-based method:

The market-based method provides a picture of a business's electricity emissions in the context of its renewable energy investments. It reflects the emissions intensity of different electricity products, markets and investments. It uses a residual mix factor (RMF) to allow for unique claims on the zero emissions attribute of renewables without double-counting.

For this certification, electricity emissions have been set by using the market-based approach.

Market-based approach summary			
Market-based approach	Activity Data (kWh)	Emissions (kg CO 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)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	381,888	0	74%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	96,026	0	19%
Large Scale Renewable Energy Target (applied to grid electricity only)	0	0	0%
Residual Electricity	37,246	35,570	0%
Total renewable electricity (grid + non grid)	477,913	0	93%
Total grid electricity	515,159	35,570	93%
Total electricity (grid + non grid)	515,159	35,570	93%
Percentage of residual electricity consumption under operational control	89%		
Residual electricity consumption under operational control	33,108	31,618	
Scope 2	29,238	27,922	
Scope 3 (includes T&D emissions from consumption under operational control)	3,870	3,696	
Residual electricity consumption not under operational control	4,138	3,952	
Scope 3	4,138	3,952	.

Total renewables (grid and non-grid)	92.77%
Mandatory	18.64%
Voluntary	74.13%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	27.92
Residual scope 3 emissions (t CO₂-e)	7.65
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	27.92
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	7.65
Total emissions liability (t CO₂-e)	35.57

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

Location-based approach summary						
Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	89%	(kWh)	Scope 2 Emissions (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
ACT	515,159	457,919	334,281	27,475	57,240	45,220
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	0	0	0	0	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	515,159	457,919	334,281	27,475	57,240	45,220
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	0	0	0	0		
Total electricity (grid + non grid)	515,159					

Residual scope 2 emissions (t CO ₂ -e)	334.28
Residual scope 3 emissions (t CO ₂ -e)	72.69
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	334.28
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	72.69
Total emissions liability	406.98

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO ₂ -e)
N/A.	0	0
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market-based method is outlined as such in the market based summary table.		

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
N/A.	0	0
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market based summary table.		

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources 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.

Relevant non-quantified emission sources	Justification reason
N/A.	N/A.

Data management plan for non-quantified sources

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

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation'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.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
N/A						



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