PUBLIC DISCLOSURE STATEMENT

CORINDA STATE HIGH SCHOOL

ORGANISATION CERTIFICATION
CY2020

Australian Government

Climate Active Public Disclosure Statement

An Australian Government Initiative

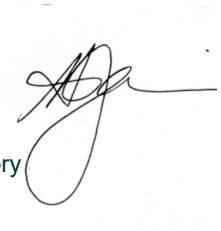
NAME OF CERTIFIED ENTITY: Corinda State High School

REPORTING PERIOD: Calendar year 1 January 2020– 31 December 2020

Declaration

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.

Signature



Date

10 September 2021

Name of Signatory

Helen Jamieson

Position of Signatory

Executive Principal, Corinda State High School

Australian Government

Department of Industry, Science, Energy and Resources

Version number February 2021

1. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the calendar year from 1 January 2020 to 31 December 2020 and covers the Australian operations of Corinda State High School, ABN: 79 679 210 276.

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007. This includes the following locations and facilities:

- School Campus, 46 Pratten St, Corinda QLD 4075
- Agricultural Farm and Oxley Commons, QLD

The methods used for collating data, performing calculations and presenting the carbon account are in accordance with the following standards:

- Climate Active Standards
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

"Corinda State High School is committed to sustainable practices with the aim of taking the lead, seeking out new ways of doing things and staying in touch with the world outside of the education system. We have a strong mantra around 'today's innovation could be tomorrow's norm – a reality that fuels a cycle of continuous improvement.'

Organisation description

Corinda State High School is an environmentally conscious, carbon-neutral school in the Western corridor of Brisbane. At the heart of our innovative practice is the core value of sustainability through care for each other, our environment, and ourselves. We understand that our local contribution has a global impact and take measures to implement high standards academically from the stance of environmental stewardship, community engagement, global citizenship, and sustainable futures.

2. EMISSION BOUNDARY

Diagram of the certification boundary

Quantified

Electricity

Telecommunications

Water

IT Equipment

Paper

Staff Clothing

Office Furniture

Cattle

Employee Commute

Transport Fuels

LPG

Cleaning Services

Food & Catering

Postage

Printing & Stationery

Advertising

Buses

Refrigerants

Waste (Landfill & Recycling)

Non-quantified

N/A

Excluded

Student travel to and from school

School canteen

Non-quantified sources

N/A

Data management plan

N/A

Excluded sources (outside of certification boundary)

- Student travel to and from school is excluded as the school does not have authority over the health and safety policies related to this travel
- The school canteen is run by a third party and is outside the operational boundary.

Reaching our Carbon Neutral status was not a onetime goal; there is a greater strategy. The journey towards Carbon Neutrality, as with any innovation, is that we will never arrive. If the school is fully committed to continuous improvement, it simply inspires new learning.

3. EMISSIONS SUMMARY

Emissions reduction strategy

Emissions reduction actions for future years:

- Reduce 15% of school emissions
- Install Solar Panels to offset 20% of school energy bill under the Advancing Clean Energy Schools Program
- Upgrading 40% of school amenities with water efficient systems
- Investigate water usage and identify strategies for reducing water output, including utilising water tanks to full potential
- Improve recycling program, including reducing paper/photocopying
- Ensure building renovations and new construction includes insulation moving forward
- Commit to transitioning all school lighting to LED within two years
- Audit large appliances in the school and upgrade 10% of appliances per year
- Implement School Sustainability Policy
- Implement targeted lessons around environmental sustainability and good practices
- Encouraging and optimising the responsible treatment of waste (eg. compost, biogas capture.)

Emissions over time

When comparing to CY2017 our emissions have increased by 8.0%. This is mainly due to an increase in employee commute, water, cattle, and printing & stationery. However, since CY2019 the emissions have reduced by -9.0% which is due to a reduction in electricity usage, postage, buses and business flights due to COVID-19 travel restrictions.

During the year we installed new air conditioning throughout a large portion of the school under the Government's Cooler, Cleaner Schools Program. This has increased our emissions, which was a driving factor to compete for the ACES solar program in order to install solar to offset our emissions.

Table 1

Emissions since base year				
	Base year: CY2017	Year 1: CY2018	Year 2: CY2019	Current year Year 3: CY2020
Total tCO_2-e	995.2	1,029.2	1,181.5	1,074.6

Emissions reduction actions

We have actively been working with staff and students to change the culture around electricity consumption and strategies for saving power. This is evidenced in a 7.3% decrease in kWh output from CY 2019 to CY 2020. We recorded a decrease of water consumption over the last 12 months, however we have still identified water usage and strategies for reducing water output as a reduction action for future years.

Postage has been a considerable reduction due to our conscious decision to move many of our services online rather than through the post. Waste-landfill output was reduced by 38.1% through ongoing recycling initiatives throughout the school; we implemented containers for change, which provided a convenient way for staff and students to make significant environmental change.

Though we have increased our IT usage, we have actually reduced our output by choosing more sustainable and efficient products for our school. This is evidenced in the 13.1% decrease between CY 2019 and CY 2020. As with water, though we have reduced our paper service in the last calendar year, we have still identified this as a priority reduction action for future years. This has been identified as a priority in addition to printing and stationery output as this increased across the two calendar years.

Due to COVID-19 we did not have any business flights or hotel accommodation in CY 2020; similarly, bus hire was reduced due to the cancellation of several events. Cleaning services was a significant increase as a direct result of COVID-19; we predict that the CY 2021 will also reflect these inflated numbers due to the ongoing necessity for cleaning services.

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO_2-e
Cleaning and Chemicals	9.230
Electricity	509.414
Food	12.222
Horticulture and Agriculture	63.058
ICT services and equipment	20.709
Land and Sea Transport ($)	25.805
Land and Sea Transport (fuel)	10.933
Land and Sea Transport (km)	161.742
Office equipment & supplies	106.607
Postage, courier and freight	2.307
Products	2.998
Professional Services	8.192
Refrigerants	17.205
Stationary Energy	0.349
Waste	93.085
Water	30.753
Total Net Emissions	***1,074.610***

Uplift factors

Table 3

Reason for uplift factor	tonnes CO_2-e
N/A	
Total footprint to offset (uplift factors + net emissions)	***1,074.610***

Carbon neutral products

This assessment and Climate Active submission was prepared with the assistance of Pangolin Associates and these services are also carbon neutral.

Electricity summary

Electricity was calculated using a location-based approach.

Market-based approach summary
Table 4

Market-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)	Renewable %
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%
Jurisdictional renewables	0	0	0%
Residual Electricity	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	105,772	0	19%
Total grid electricity	441,985	476,549	0%
Total Electricity Consumed (grid + non grid)	**547,757**	**476,549**	**19%**
Electricity renewables	**547,757**	**476,549**	**19%**
Residual Electricity	105,772	0	
Exported on-site generated electricity	441,985	476,549	
Emission Footprint ($kgCO_2$-e)	**0**	**0**	

Emission Footprint (tCO_2-e)	**477**
LRET renewables	**19.31%**
Voluntary Renewable Electricity	**0.00%**
Total renewables	**19.31%**

Location-based approach summary
Table 5

Location-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)
QLD	547,757	509,414
Grid electricity (scope 2 and 3)	**547,757**	**509,414**
Non-grid electricity (Behind the meter)	**0**	**0**
Total Electricity Consumed	**547,757**	**509,414**

Emission Footprint (tCO_2-e)	**509**

4. CARBON OFFSETS

Offsets strategy

Table 6

Offset purchasing strategy: **In arrears**	
1. Total offsets previously forward purchased and banked for this report	*0*
2. Total emissions liability to offset for this report	*1,075*
3. Net offset balance for this reporting period	*1,075*
4. Total offsets to be forward purchased to offset the next reporting period	*1,176*
5. Total offsets required for this report	*2,251*

Co-benefits

15 MW grid-connected wind power project by MMTC in Karnataka

The main purpose of the project activity is to generate electrical energy through sustainable means using wind power resources, to utilise the generated output for selling it to the State Electricity Board i.e. Hubli Electricity Supply Company (HESCOM) for meeting the energy shortages in the state and to contribute to climate change mitigation efforts. Apart from generation of renewable electricity, the project has also been conceived to contribute to the sustainable development of the region, socially, environmentally and economically:

Social well-being - The project leads to alleviation of poverty by establishing direct and indirect benefits through employment generation and improved economic activities. The infrastructure in and around the project area has also improved due to the project activity. This includes development of road network and improvement of electricity quality, frequency and availability as the electricity is fed into a deficit grid.

Economic well-being – The project leads to an investment of about INR 690 million to a developing region which otherwise would not have happened in the absence of project. The generated electricity is fed into the southern regional grid through local grid, thereby improving the grid frequency and availability of electricity to the local consumers (villagers & sub-urban habitants) which will provide new opportunities for industries and economic activities to be setup in the area thereby resulting in greater local employment, ultimately leading to overall development.

Environmental well-being - The project utilises wind energy for generating electricity which otherwise would have been generated through alternate fuel-based power plants, contributing to reduction in GHG emissions. As wind power projects produce no end products in the form of solid waste (ash etc.), they address the problem of solid waste disposal encountered by most other sources of power. Being a renewable resource, using wind energy to generate electricity contributes to resource conservation. Thus, the project causes no negative impact on the surrounding environment contributing to environmental well-being.

150 MW grid connected Wind Power based electricity generation project in Gujarat, India

Besides generating renewable energy, 150 MW grid connected Wind Power based electricity generation project in Gujarat, India, seeks to achieve additional benefits to the local community. They promote rural development through fodder cultivation to feed animals, integrated livestock development (artificial Insemination), shade nets to cover vegetable crops, and youth training and skill development. They also promote improvements in health with a project to enhance access to preventative healthcare and early diagnosis and intervention for the population in the Gujarat region, and by upskilling healthcare volunteers.

Offsets summary

Proof of cancellation of offset units

Table 7

Offsets cancelled for Climate Active Carbon Neutral Certification										
Project description	**Type of offset units**	**Registry**	**Date retired**	**Serial number (and hyperlink to registry transaction record)**	**Vintage**	**Eligible Quantity (tCO_2-e)**	**Quantity used for previous reporting periods**	**Quantity banked for future reporting periods**	**Quantity used for this reporting period claim**	**Percentage of total (%)**
15 MW grid-connected wind power project by MMTC in Karnataka	VCUs	Verra	15 Jun 2020	6591-326738454-326739629-VCU-034-APX-IN-1-133-01012015-31122015-0	2015	1,176	0	101	1,075	52%
150 MW grid connected Wind Power based electricity generation project in Gujarat, India	VCUs	Verra	25 Jul 2021	9085-66651544-66652618-VCS-VCU-1491-VER-IN-1-292-01012017-31122017-0	2017	1,075	0	1,075	0	48%
								Total offsets retired this report and used in this report		***1,075***
								Total offsets retired this report and banked for future reports	***1,176***	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	2,251	100%

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Email banners, street banners, website, brochures	Certified organisation
Community mailout (12,000 homes)	Certified organisation
Business cards	Certified organisation

6. ADDITIONAL INFORMATION

Sustainability at School

We are partnered with local and state government bodies to provide environmental co-benefits to the local population (through the Oxley Creek Common redevelopment; Wildlife Warriors rejuvenating the adjacent river; the maintenance of a bird and bat sanctuary through native planting in the farm and river area; and active in sustainable farming on the local common). The environmental benefits exist in both the curriculum and extra-curricular activities such as water sampling and tracking of weed management on local land and recreation areas, partnership with Qld Birdlife (data-entry), and frog data retrieval in the local area with local universities and PhD students. We assist in scientific research on both North Stradbroke Island and the research centre on Heron Island.

Social benefits include a future pathway vision for young people in the field of environmental science, ongoing benefits of how to engage with volunteering for altruistic purposes, and additional associated health benefits of leading an activity physical life. Students are aware of their global citizenship through connecting our world with those around them.

APPENDIX 1

Excluded emissions

To be deemed relevant an emission must meet two of the five relevance criteria. Excluded emissions are detailed below against each of the five criteria.

Table 9

Relevance test					
Excluded emission sources	*The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions*	*The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.*	*Key stakeholders deem the emissions from a particular source are relevant.*	*The responsible entity has the potential to influence the reduction of emissions from a particular source.*	*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.*
Student Travel	No	No	No	No	No
School Canteen	No	No	No	No	No

APPENDIX 2

Non-quantified emissions for organisations

Table 10

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

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