National Carbon Offset Standard
Carbon Neutral Program
Public Disclosure Summary

An Australian Government Initiative

Corinda State High School

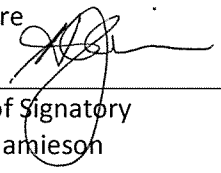
January 2017 - December 2017

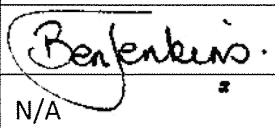
Australian Government
Department of the Environment

Template Version: 4 January 2017 v5.2

Declaration

To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.

Signature 	Date 28/8/18
Name of Signatory Helen Jamieson	
Position of Signatory Excutive Principal – Corinda State High School	

Carbon neutral certification category	Organisation
Date of most recent external verification/audit	29 August 2018
Auditor	
Auditor assurance statement link	N/A

1. About Corinda State High School

Corinda SHS 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. Carbon neutral information

This inventory has been prepared for the calendar year from 1 January 2017 to 31 December 2017.

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:

- National Carbon Offset Standard for Organisations
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

The greenhouse gases considered within the inventory are those that are commonly reported under the Kyoto Protocol; carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF_6) and nitrogen trifluoride (NF_3). These have been expressed as carbon dioxide equivalents (CO_2-e) using relative global warming potentials (GWPs).

Quantified sources

The sources of carbon emissions within the operational boundary are:

- Transport Fuels
- Staionary Fuel
- Refrigerant
- Livestock
- Electricity
- Telecommunications
- Water
- IT Equipment
- Office Paper
- Employee Commuting
- Business Flights
- Cleaning Services
- Food & Catering
- Printing
- Hotel Accommodation
- Advertising
- Taxis
- Buses
- Waste – Landfill and recycling

Non Quantified Sources

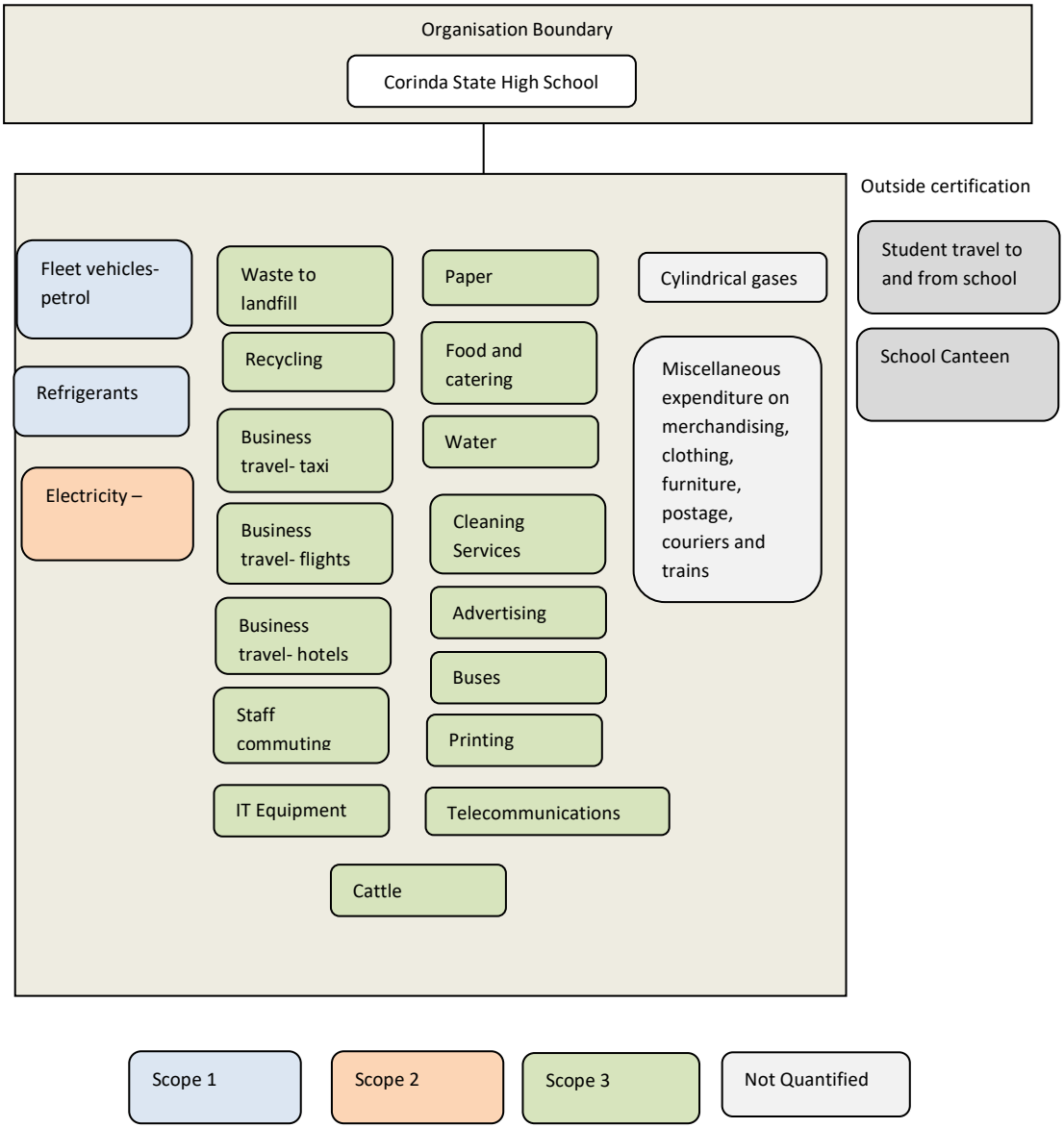
In accordance with the NCOS for organisations and Section 6.3 of the GHG Protocol, the following emission sources have not been quantified:

- Cylindrical gases (Acetylene and CO_2) – estimated to represent less than 1% of total emissions
- Incidental expenditure on merchandising, clothing, furniture, postage, couriers and trains are also estimated to represent less than 1% of total emissions.

Outside of Scope

- 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.

2C. Diagram of the certification boundary



3. Emissions reduction measures

3B. Emissions reduction strategy

Corinda's emissions reduction strategy involves:

- Future Targets: Reduce 15% of school emissions by the end of 2020
- Current actions:
- 20% school has LED lighting - replace old fixture with new LED
- Recycling / Composing / program
- Harvest water to water school ovals and AG crops – school has water tanks with a capacity up to 100,000 litres
- 90% school has toilets have dual flush
- Purchase print paper that is FSC registered
- Develop School Market Gardens

3C. Emissions reduction actions

Emissions reduction actions for future years:

- Install Solar Panels to offset 20% school energy bill
- Purchase green power
- Install Insulation in 20% of school Ceiling
- Improve Recycling program
- Install another 20% LED lighting
- Implement School Sustainability Policy
- Implement scheduled lessons around environmental sustainability and good practices.

4. Emissions summary

Table 2. Emissions Summary		
Scope	Emission source	t CO_2-e
1	Transport Fuels - Post 2004 Gasoline	1.6
1	Stionary Fuels – Diesel Oil	4.3
1	Refrigerant	10.2
1	Cattle	29.3
2	Electricity	444.3
3	Transport Fuels - Post 2004 Gasoline	0.1
3	Stationary Fuels – Diesel Oil	0.2
3	Electricity	73.1
3	Telecommunications	2.7
3	Water	10.5
3	IT Equipment	49.1
3	Office paper – 0% recycled	13.6
3	Stationery	12.2
3	Employee Commuting	99.0
3	Business Flights	12.9
3	Cleaning Services	9.1
3	Food & Catering	10.3
3	Printing	15.2
3	Hotel Accommodation	2.9
3	Advertising	17.6
3	Taxi	0.5
3	Buses	31.1
3	Waste - Landfill	138.8
3	Waste - Recycling	6.7
Total Gross Emissions		995.2
GreenPower or retired LGCs		0
Total Net Emissions		995.2
*3.9% of total emissions have been estimated using the input/output method		

5. Carbon offsets

5A. Offsets summary

Table 3. Offsets Summary			
Offset type and registry	Year retired	Quantity	Serial numbers
• VCU • APX VCS • https://vcsregistry2.apx.com/myModule/rpt/myrpt.asp?r=206&h=22523	2018	961	5991-270794430-270795390-VCU-029-APX-IN-1-1582-29032016-31122016-0
• VCU • APX VCS • https://vcsregistry2.apx.com/myModule/rpt/myrpt.asp?r=206&h=22831 •	2018	35	6042-276562000-276562034-VCU-029-APX-IN-1-1582-29032016-31122016-0
Total offset units retired			996
Total offsets banked for future years			996

All offset units have been purchased and cancelled for the 2018 calendar year based on the 2017 carbon accounts.

5B. Offsets purchasing and retirement strategy

Corinda's offsetting approach involves purchasing and retiring offsets in advance during the reporting year as follows:

1. An amount of offsets is retired equal to emissions for the previous year
2. At the end of the reporting year a further inventory is produced
3. A true-up (or down) occurs to bring offsets into line with actual emissions
4. Offsets are again retired equal to emissions measured for the previous year.

6. 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.