PUBLIC DISCLOSURE STATEMENT

POPULOUS DESIGN PTY LTD

ORGANISATION CERTIFICATION
FY2022 - 2023

Australian Government

Climate Active
Public Disclosure Statement

POPULOUS®

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY	Populous Design Pty Ltd
REPORTING PERIOD	Financial year 1 July 2022 – 30 June 2023 Arrears report
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.*  Dr. Kavita Gonsalves Associate Principal | Sustainability Design Lead – APAC 16 April 2024

Australian Government
Department of Climate Change, Energy, the Environment and Water

Version August 2023.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1408.8 tCO_2-e
CARBON OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	18.8%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	06.06.2023 Pangolin Associates Next technical assessment due: FY 2025

Contents

2. CERTIFICATION INFORMATION

Description of organisation certification

The company is a strong international brand, and the climate active certification is for Australian operations only. The Climate Active Carbon Neutral certification covers the Australian business operations of Populous Design Pty Ltd (Populous); ABN, 55 072 891 993. 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:

- Collin House, 469 Adelaide St, Brisbane, QLD
- Level 2, 78-84 Kippax St, Surry Hills, NSW
- Level 1, 561 Church St, Richmond, Vic

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

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).

Organisation description

Populous (ABN: 55 072 891 993) is a global architecture and design firm that designs the places where people love to be together, like Suncorp Stadium, Yankee Stadium, the London Olympics and the Super Bowl.

Over the last 35 years, the firm has designed more than 3,000 projects worth $40 billion across emerging and established markets. Populous' comprehensive services include architecture, interior design, event planning and overlay, environmental graphics and wayfinding, master planning, landscape design, urban planning and sustainable design consulting.

With regional headquarters in Brisbane, Kansas City, and London, Populous has 21 offices on four continents. All work in the Asia Pacific Region is managed from the Populous regional headquarters in Brisbane (ABN 55 072 891 993) with satellite Australian studios in Sydney and Melbourne.

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

Cleaning and Chemicals

Climate Active Carbon Neutral Products and Services

Electricity

Food

ICT services and equipment

Office equipment & supplies

Postage, courier and freight

Products

Professional Services

Transport (Air)

Transport (Land and Sea)

Waste

Water

Working from home

Synthetic Gas

Non-quantified

N/A

Outside emission boundary

Excluded

N/A

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

Populous is committed to a carbon footprint reduction target of at least 30% by 2025 and 75% by 2030 against our FY2022 baseline.

The principal activity contributing to GHG emissions during 2022-23 audit was business flights, at 63% of GHG Protocol emissions.

Our emissions reduction strategy involves:

- Measuring and reporting our annual carbon emissions for at least the next 5 years.
- All Populous Australian studios to switch to renewable energy Greenpower providers by 2025; in the 2022-23 audit, controlled electricity represents 19% of the total footprint.
- Where travel is essential, particularly flights, encouraging staff to make the trip more impactful by including additional meetings or purposes. Business flights represent 63% of the total footprint. Develop an internal procedure so that all flights are booked via a central agent and directly offset on purchase within the next 2 years.
- Employee commute and working from home represent nearly 3.5% of the total footprint. Encouraging & enabling staff to use less carbon intensive forms of transport in their daily commute (public transport, cycling, walking, co sharing, electric vehicles).
- Encouraging & enabling staff to use virtual meetings where possible to replace work related travel. Encouraging & enabling staff to use less carbon intensive forms of transport in work hours in meeting clients and travelling to site.
- Third party services represent a significant chunk of the total footprint. Populous will develop a sustainable procurement policy that will encourage the use of Climate Active certified products. The aim is to procure at least 5 Climate Active suppliers (Category products or services) within the next 5 years.
- Regularly reviewing our consumables and switching to low carbon (and more ethical) alternatives where possible.
- Outlining our targets and strategies in our Sustainable Action Plan (SAP), disaggregating emissions reduction actions by scope and year, and publicly disclosing our SAP and reporting against these targets.

Efforts will be focused on the Brisbane office, as this is geographically the main source of emissions (70%).

Emissions reduction actions

In 2021 the Populous Brisbane Studio moved to a new office space. This space was refurbished to include low energy LED light fittings, automatic light sensors in meeting rooms and offices, water efficient sanitary fixtures and taps, the removal of desk side waste bins and the inclusion of central waste separation and recycling bins.

In 2022 the Populous Sydney Studio moved to a new office space. The office was selected based on location close to public transport and extensive end of trip facilities to encourage active and public transport commuting, no car spaces were taken with the lease again to encourage active or public transport use, existing furniture, workstations, storage equipment, IT equipment, acoustic tiles and pin boards were re-used from the old Populous office space; and the space was refurbished using energy efficient LED lights and water efficient taps.

In 2023, across all three offices, we have ensured waste separation, reduction of food waste, and providing recycling bins. The office kitchens are provided with reusable coffee-cups, glasses, silverware and plates. All three offices have access to public transport and active transport is encouraged with end of trip facilities. Paper printing is discouraged, and mindful usage of water is encouraged. The meeting rooms have automatic light sensors to limit energy use. Staff are encouraged to switch off digital monitors post work.

Additional Information

Initiatives and actions already in place at Populous are:

- Prior to Covid-19 (2007 to 2019 inclusive) all Populous domestic and international air travel emissions within Australia and Asia Pacific were offset through Australian Native Reforestation Gold Standard VER offsets and Biodiverse Reforestation Carbon Offsets. Populous have now rolled these air travel emissions into the offset program outlined in this Climate Active certification.

- Since March 2020 the Populous internal environmental working group, EcoPOP, undertakes regular reviews of consumables for Australian based offices. Where more environmentally sustainable, lower carbon or ethical products are identified these products are procured in place of the less sustainable, higher carbon or less ethical product.

- Globally the Populous EcoPOP teams run an annual Sustainability Week program for all staff with a focus on sustainability issues through speakers and initiatives to improve sustainability in operations, projects and our staff.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		
		Total tCO_2-e
Base year/ Year 1:	2021-22	617.50
Year 2:	2022-23	1408.8

Significant changes in emissions

Significant changes in emissions			
Emission source	**Previous year emissions** ($t CO_2$-e)	**Current year emissions** ($t CO_2$-e)	**Reason for change**
Business flights	104.6	885.49	Increased travel, business growth

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

Certified brand name	Product/Service/Building/Precinct used
Powershop **(Populous Melbourne Studio)**	Electricity
Pangolin Associates	Organisation and Service- National energy and carbon management consultancy

Emissions summary

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

Emission category	Scope 1 emissions (tCO_2-e)	Scope 2 emissions (tCO_2-e)	Scope 3 emissions (tCO_2-e)	Total emissions (t CO_2-e)
Accommodation and facilities	0.00	0.00	48.29	48.29
Cleaning and chemicals	0.00	0.00	14.53	14.53
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Electricity	0.00	134.24	99.62	233.87
Food	0.00	0.00	10.41	10.41
ICT services and equipment	0.00	0.00	9.73	9.73
Machinery and vehicles	0.00	0.00	0.00	0.00
Office equipment & supplies	0.00	0.00	0.60	0.60
Postage, courier and freight	0.00	0.00	24.25	24.25
Products	0.00	0.00	0.00	0.00
Professional Services	0.00	0.00	101.70	101.70
Refrigerants	16.47	0.00	0.00	16.47
Transport (air)	0.00	0.00	885.49	885.49
Transport (Land and Sea)	0.00	0.00	44.12	44.12
Waste	0.00	0.00	8.49	8.49
Water	0.00	0.00	1.48	1.48
Working from home	0.00	0.00	5.48	5.48
Office equipment and supplies	0.00	0.00	3.80	3.80
Total emissions (tCO_2-e)	**16.47**	**135.62**	**1256.64**	**1408.73**

Uplift factors

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

Reason for uplift factor	tCO_2-e
N/A	N/A
Total of all uplift factors (tCO_2-e)	0
Total emissions footprint to offset (tCO_2-e) *(total emissions from summary table + total of all uplift factors)*	**1408.73**

6. CARBON OFFSETS

Eligible offsets retirement summary

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	1,409	100%

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 (%)
Bundled Solar Power Project by Solararise India Projects PVT. LTD (project ID 1762)	VCU	Verra	25/03/2024	10730-245077723-245078322-VCS-VCU-997-VER-IN-1-1762-26042018-31122018-0	2018	-	600	0	0	600	43%
Bundled Solar Power Project by Solararise India Projects PVT. LTD (project ID 1762)	VCU	Verra	03/04/2024	10730-245109361-245109860-VCS-VCU-997-VER-IN-1-1762-26042018-31122018-0	2018	-	500	0	0	500	35%
Bundled Solar Power Project by Solararise India Projects PVT. LTD (project ID 1762)	VCU	Verra	03/04/2024	10730-245073212-245073386-VCS-VCU-997-VER-IN-1-1762-26042018-31122018-0	2018	-	175	0	0	175	12%

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 (%)
Bundled Solar Power Project by Solararise India Projects PVT. LTD (project ID 1762)	VCU	Verra	03/04/2024	10730-245061615-245062434-VCS-VCU-997-VER-IN-1-1762-26042018-31122018-0	2018	-	820	0	686	134	9.5%
Bundled Solar Power Project by Solararise India Projects PVT. LTD (project ID 1762)	VCU	Verra	03/04/2024	10730-245109861-245110073-VCS-VCU-997-VER-IN-1-1762-26042018-31122018-0	2018	-	213	0	213	0	0%
Karlantijpa North Savanna Burning project	ACCUs	ANREU	28/03/2024	As per appendix A	2022	-	120	0	120	0	0%
									Total eligible offsets retired and used for this report	**1,409**	
									Total eligible offsets retired this report and banked for use in future reports	1,019	

Co-benefits

Bundled Solar Power Project by Solararise India Projects PVT. LTD

The Bundled Solar Power Project, developed by SolarArise India Projects Pvt Ltd, generates clean electricity through solar energy — a renewable resource. The project is a bundled activity which includes the installation of a 120 MW solar project in various states of India through special-purpose vehicles.

Over the 10 years of the first crediting period, this project will replace anthropogenic emissions of greenhouse gases estimated to be approximately 213,089 tCO2e per year, displacing 220,752 MWh/year amount of electricity from the generation-mix of power plants connected to the Indian grid, which is mainly dominated by thermal or fossil fuel-based power plants. This project is contributing to India's goal of generating 40% of its electricity through renewable resources by 2030.

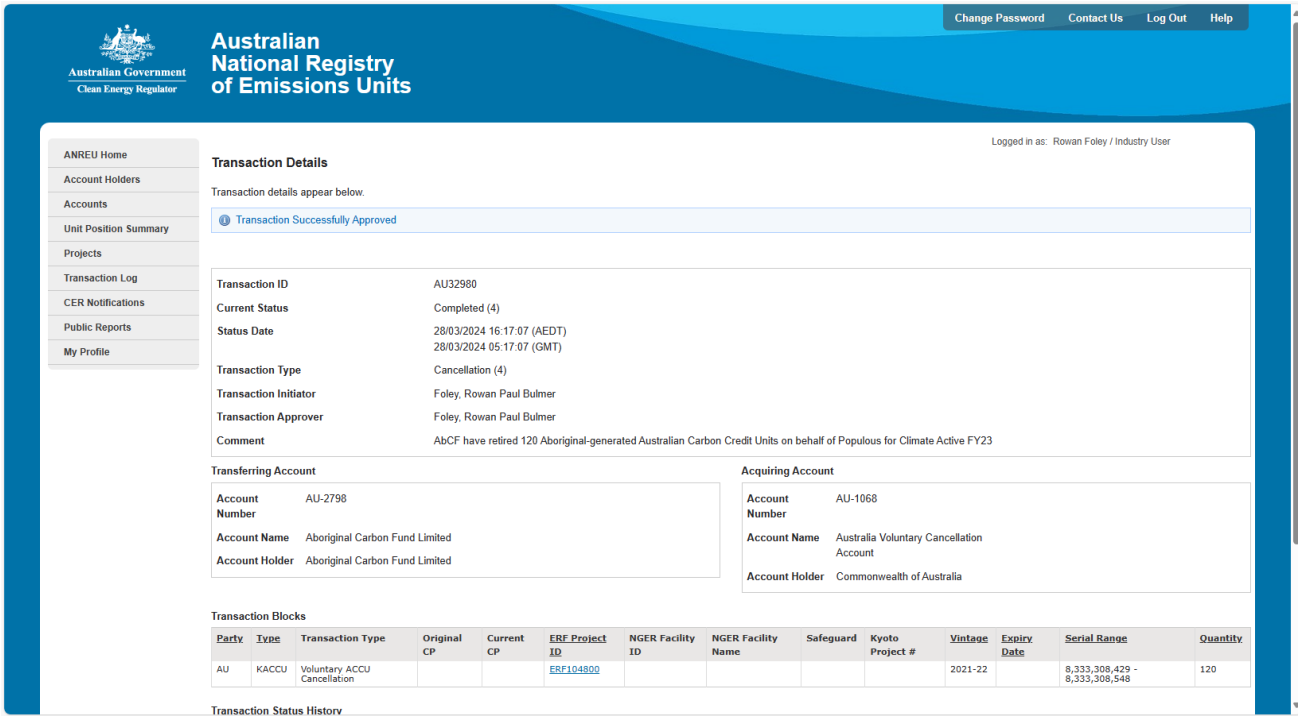
Karlantijpa North Savanna Burning project

This project is in the Barkly local government area and involves strategic and planned burning of savanna areas in the low rainfall zone during the early dry season to reduce the risk of late dry season wild fires. It is managed by the Karlantijpa North Kurrawarra Nyura Mala Aboriginal Corporation. Carbon Credits (Carbon Farming Initiative - Emissions Abatement through Savanna Fire Management) Methodology Determination 2015.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

N/A

APPENDIX A: ADDITIONAL INFORMATION



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Transaction Details

Transaction details appear below.

Transaction Successfully Approved

Transaction ID	AU32980
Current Status	Completed (4)
Status Date	28/03/2024 16:17:07 (AEDT) 28/03/2024 05:17:07 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Foley, Rowan Paul Bulmer
Transaction Approver	Foley, Rowan Paul Bulmer
Comment	AbCF have retired 120 Aboriginal-generated Australian Carbon Credit Units on behalf of Populous for Climate Active FY23

Transferring Account

Account Number	AU-2798
Account Name	Aboriginal Carbon Fund Limited
Account Holder	Aboriginal Carbon Fund Limited

Acquiring Account

Account Number	AU-1068
Account Name	Australia Voluntary Cancellation Account
Account Holder	Commonwealth of Australia

Transaction Blocks

Party	Type	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Range	Quantity
AU	KACCU	Voluntary ACCU Cancellation			ERF104800					2021-22		8,333,308,429 - 8,333,308,548	120

Transaction Status History

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)	2,072	0	1%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	56,698	0	18%
Residual Electricity	253,836	242,413	0%
Total renewable electricity (grid + non grid)	**58,770**	**0**	**19%**
Total grid electricity	**312,606**	**242,413**	**19%**
Total electricity (grid + non grid)	**312,606**	**242,413**	**19%**
Percentage of residual electricity consumption under operational control	65%		
Residual electricity consumption under operational control	**164,993**	**157,569**	
Scope 2	145,708	139,152	
Scope 3 (includes T&D emissions from consumption under operational control)	19,285	18,417	
Residual electricity consumption not under operational control	**88,843**	**84,845**	
Scope 3	88,843	84,845	

Total renewables (grid and non-grid)	**18.80%**
Mandatory	**18.80%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual scope 2 emissions (t CO_2-e)	**139.15**
Residual scope 3 emissions (t CO_2-e)	**103.26**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**134.24**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**99.62**
Total emissions liability (t CO_2-e)	**233.87**

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	100%	(kWh)	Scope 2 Emissions (kg CO2-e)	Scope 3 Emissions (kg CO2-e)	(kWh)	Scope 3 Emissions (kg CO2-e)
ACT	0	0	0	0	0	0
NSW	28,628	28,628	20,898	1,718	0	0
SA	0	0	0	0	0	0
VIC	14,217	14,217	12,084	995	0	0
QLD	269,761	269,761	196,926	40,464	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)	**312,606**	**312,606**	**229,908**	**43,177**	**0**	**0**
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)	**312,606**					

Residual scope 2 emissions (t CO_2-e)	**229.91**
Residual scope 3 emissions (t CO_2-e)	**43.18**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**220.54**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**42.41**
Total emissions liability	**262.94**

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 electricity product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO_2-e)
Powershop (Populous Melbourne Studio)	**11,023**	**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	N/A	N/A	N/A	N/A	N/A	**N/A**

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