PUBLIC DISCLOSURE STATEMENT

PACIFIC BLUE RETAIL PTY LTD
(TRADING AS PACIFIC BLUE RETAIL)

ELECTRICITY PRODUCT CERTIFICATION
CY2023

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Pacific Blue Retail Pty Ltd (trading as Pacific Blue Retail)
REPORTING PERIOD	Calendar year 1 January 2023 – 31 December 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.*  John Ballenger General Manager Retail 11 November 2024

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

Version: January 2024

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	2,191.2 tCO_2-e
CARBON OFFSETS USED	100% CERs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: EnergyLink Services
TECHNICAL ASSESSMENT	Date: October 2021 EnergyLink Services Next technical assessment due: CY2024 report

Contents

2.CERTIFICATION INFORMATION

Description of product certification

This product certification is for electricity sold to residential and small business customers through the Pacific Blue Retail brand. In CY23, we offered two carbon-neutral residential electricity plans — Blue First and Blue Home — both covered in this PDS and available in the state of Victoria. These plans will be introduced in other Australian states, including New South Wales, South Australia and Queensland, in CY24. No carbon-neutral plans were sold to small businesses in CY23; however, Pacific Blue Retail intends to make carbon neutral products available to small business customers in CY24.

Pacific Blue Retail's carbon neutral products consist of:

- Functional unit 1 MWh of electricity sold by the Pacific Blue Retail brand.
- Offered as: full coverage product.
- Life cycle: cradle-to-grave.

The responsible entity for this product certification is Pacific Blue Retail Pty Ltd (trading as Pacific Blue Retail) ABN 43 155 908 839.

This Public Disclosure Statement includes information for the CY2023 reporting period.

Description of business

Pacific Blue Retail is an electricity and gas retail company, selling energy products to customers under the Pacific Blue Retail and Tango Energy brands. Climate Active certified carbon neutral products are exclusively available through its Pacific Blue Retail brand.

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 'attributable processes' of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service through its life cycle. These attributable emissions have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable 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

Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

Inside emissions boundary

Quantified

Accommodation and facilities

Cleaning and chemicals

Electricity

Food

ICT services and equipment

Machinery and vehicles

Postage, courier and freight

Professional services

Transport (air)

Transport (land and sea)

Office equipment and supplies

Climate Active carbon neutral products and services

Non-quantified

Working from home

Optionally included

N/A

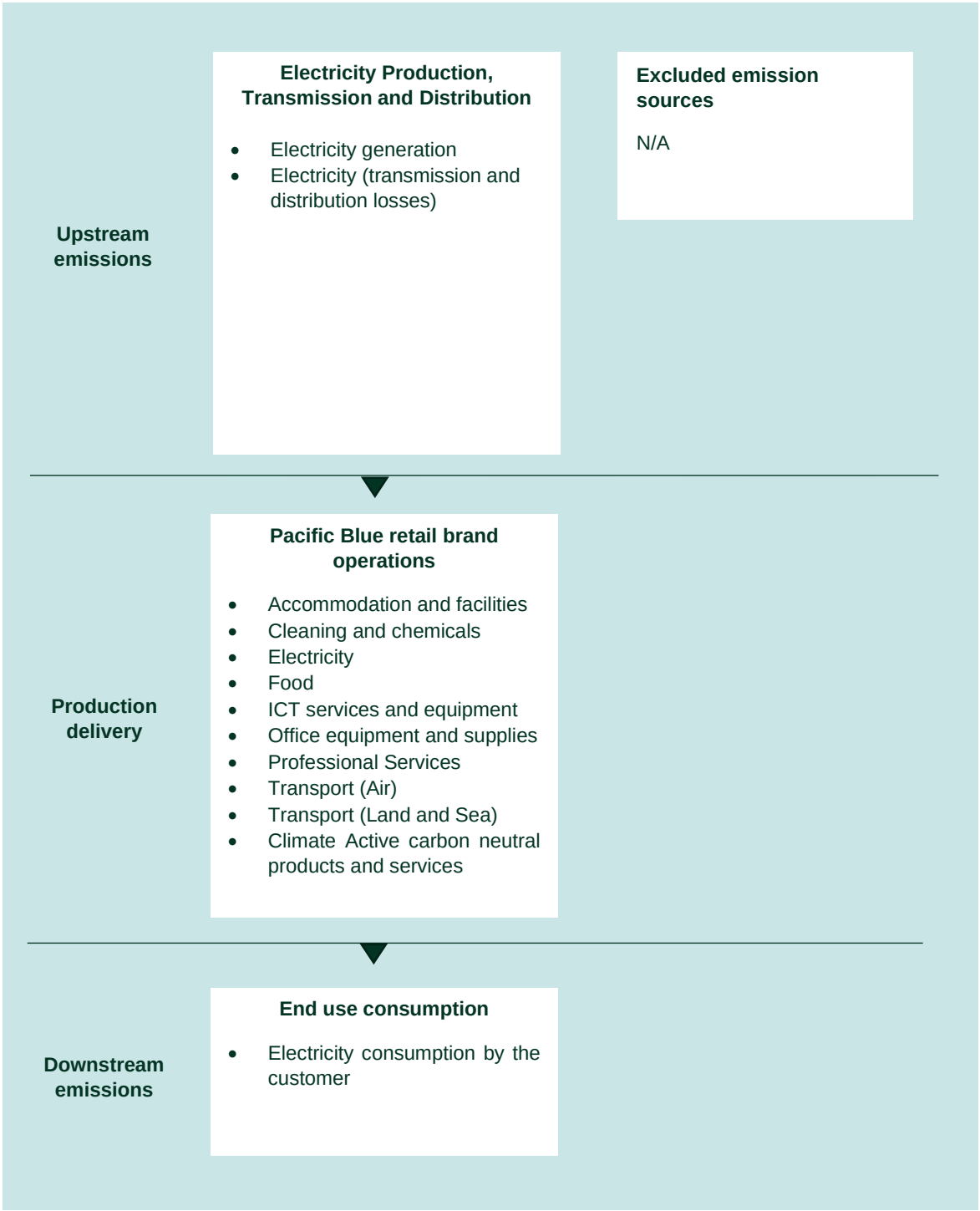
Outside emission boundary

Non-attributable

N/A

Product process diagram

The boundary of this certification is Cradle-to-grave.



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Pacific Blue Retail is a subsidiary of Pacific Blue Australia, a purpose-driven organisation striving to "inspire and empower a clean energy future", with a mission to "leave the world a better place." For over 30 years, Pacific Blue Australia has developed and operated a fleet of renewable energy generation assets, playing a key role in Australia's transition to a low carbon economy without ever owning or operating fossil fuel generation.

Investment in clean energy generation

Since 1992, Pacific Blue Australia has exclusively owned and operated renewable generation assets. By 2030, Pacific Blue Australia plans to increase its installed capacity from 667 MW to 1.3 GW, significantly expanding its contribution to Australia's renewable energy transition. Currently, Pacific Blue Australia's generation fleet avoids over 1.4 million tonnes of CO2-e emissions annually when compared to non-renewable energy generation. As Pacific Blue Australia intends to double its renewable generation assets over the next five years, its contribution to emissions reductions will grow substantially.

Helping customers meet their climate ambitions

Pacific Blue Retail, as a subsidiary of Pacific Blue Australia, operates under the same commitment of supporting a sustainable future. In 2023, we launched the new retail brand Pacific Blue, dedicated to providing Australian homes and small businesses with cleaner, and more innovative energy solutions. Through this brand, we aim to reduce our customers' emissions - the primary source of our scope 3 emissions - through the following five targets:

1. **Increase customer adoption of climate-friendly energy plans**
   By 2030, we aim to increase the percentage of our customers base on a Pacific Blue plan from 0.75% in 2023 to 24% by 2028. Under our Pacific Blue brand, all energy plans are either 100% carbon neutral or 100% GreenPower certified. By growing the number of customers on these plans, we help reduce the environmental impact of consumer energy emissions through offsets or by sourcing GreenPower.

2. **Expand solar and battery integration for homes**
   By 2028, we aim to make solar and battery solutions more accessible, with a target to increase uptake, among our customers, by 15%. This will help reduce grid reliance and lower both scope 2 and 3 emissions by minimising dependence on non-renewable generation, particularly during peak usage periods.

3. **Empower customers to reduce energy usage**

   We will launch customer education programs that aim to reduce the average energy consumption of Pacific Blue's residential customers by 3% by 2035, using 2023 as our baseline year. This initiative will help address scope 3 emissions by providing energy-saving tips, bill tracking tools, and personalised campaigns. By empowering customers to lower their energy usage, we reduce overall demand and contribute to a more energy-efficient future.

4. **Launch time-shifting energy products**

   By 2028, we plan to launch time shifting products, encouraging customers to use energy during periods of peak renewable generation, such as daytime hours. This will optimise energy usage patterns, reduce peak demand, and lower both scope 2 and 3 emissions by aligning usage with renewable availability, helping to reduce overall grid emissions.

5. **Launch EV charging plans to support emission-free transport**

   We aim by 2030 to introduce electric vehicle (EV) electricity plans, to encourage the adoption of EVs and ensure convenient access to renewable-powered charging solutions for customers. This plan will reduce emissions related to traditional fuel-based transport by promoting EVs and renewable energy for charging.

Most of the emissions associated with the Pacific Blue brand's electricity products come from the grid electricity used by our customers. As such, the emissions intensity per functional unit (tCO_2e/ MWh of electricity sold by the Pacific Blue Retail brand) will mostly depend on the average emission factor of the electricity grid.

Optimising business operations

Though Pacific Blue Australia's operational emissions make up less than 0.1 percent of our total emissions, we remain committed to reducing business operations emissions per employee by 10% by 2030, based on a 2023 baseline year.

This reduction will be achieved by the following:

Scope 2 emissions:

- Ensuring office spaces occupied are equipped with LED lighting, managing HVAC temperature set points and prioritising natural ventilation where available.
- Continuing to offset energy usage in our Melbourne and Geelong offices with the purchase of Large-scale Generation Certificates (LGCs).

Scope 3 emissions:

- Implementing green procurement policies.
- Encouraging staff to take less emissions intensive modes of transport when commuting.
- Using video conferencing, where practical, to reduce air travel requirements.
- Managing waste effectively to increase the quantity of waste diverted for recycling.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e	Emissions intensity of the functional unit
Base year:	2021	0	0
Year 1:	2022	0	0
Year 2:	2023	2,191.18	0.8608

Significant changes in emissions

Due to a strategic review and rebranding, Pacific Blue Retail did not sell certified products in CY2021 or CY2022. Since CY2023 is the first year carbon neutral certified electricity products have been offered to customers, significant changes in emissions are not applicable for this reporting year.

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

Certified brand name	Product/Service/Building/Precinct used
EnergyLink Services	Climate Active Consulting Services

Emissions summary

Life cycle stage / Attributable process / Emission source	Scope 1 (t CO2-e)	Scope 2 (t CO2-e)	Scope 3 (t CO2-e)	tCO_2-e
Accommodation and facilities	-	-	0.00	0.00
Cleaning and chemicals	-	-	0.01	0.01
Electricity (customer sales)	-	2,010.93	178.19	2,189.12
Electricity (Pacific Blue's operational use)	-	0.11	0.01	0.12
Food	-	-	0.00	0.00
ICT services and equipment	-	-	0.41	0.41
Machinery and vehicles	-	-	0.01	0.01
Postage, courier and freight	-	-	0.18	0.18
Professional services	-	-	1.00	1.00
Transport (air)	-	-	0.05	0.05
Transport (land and sea)	-	-	0.22	0.22
Office equipment and supplies	-	-	0.06	0.06
Climate Active carbon neutral products and services	-	-	0.00	0.00
Attributable emissions (tCO_2-e)	-	2,011.04	180.14	2,191.18

Product / Service offset liability	
Emissions intensity per functional unit	0.8608 tCO_{2eq}/MWh
Emissions intensity per functional unit including uplift factors	N/A
Number of functional units covered by the certification	2,545.5 MWh
Total emissions (tCO_2-e) to be offset	**2,191.2**

6.CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Certified Emissions Reductions (CERs)	2,192	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 (%)
Chacayes Hydroelectric Project, Chile	CER	CDM Registry	06 Oct 2021	CL-5-18916985-2-2-0-6848 to CL-5-18936984-2-2-0-6848	CP2	-	20,000	0	17,808	2,192	100%
									Total offsets retired this report and used in this report	**2,192**	
									Total offsets retired this report and banked for future reports	**17,808**	

Co-benefits

Chacayes Hydroelectric Project, Chile

Pacific Blue Retail has purchased 100% of its carbon credits from Pacific Hydro Chile's Chacayes Hydroelectric Project. This award-winning project contributes over half a million MWh of electricity per annum to the primary Chilean electricity grid. Because of this hydroelectric plant, and the many other renewable energy projects developed and operated by Pacific Hydro Chile, the Chilean electricity grid has become less reliant on fossil fuels. The hydroelectric plant is responsible for reducing over 350,000 tonnes CO2-e of greenhouse gas emissions per annum.

By supporting this project, Pacific Blue Retail is supporting the work of Pacific Hydro Chile and their mission of "powering a cleaner world" Pacific Hydro Chile is committed to supporting the communities where it operates. This includes assisting and donating to causes close to the communities, such as native reforestation and education for neighbouring schools. Pacific Hydro Chile's renewable energy projects also support the local economy, creating new jobs for the surrounding communities. This is certified through their Local Employment Promotion program in Chacayes.

This purchasing agreement between Pacific Blue Retail and Pacific Hydro Chile solidifies that together, organisations from around the world can accelerate the shared mission of "powering a cleaner world".

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 **location-based approach**.

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)	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)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	482,650	0	19%
Residual Electricity	2,062,974	1,877,306	0%
Total renewable electricity (grid + non grid)	482,650	0	19%
Total grid electricity	2,545,625	1,877,306	19%
Total electricity (grid + non grid)	2,545,625	1,877,306	19%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	2,062,974	1,877,306	
Scope 2	1,836,274	1,671,009	
Scope 3 (includes T&D emissions from consumption under operational control)	226,700	206,297	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	**18.96%**
Mandatory	**18.96%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual scope 2 emissions (t CO_2-e)	**1,671.01**
Residual scope 3 emissions (t CO_2-e)	**206.30**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**1,671.01**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**206.30**
Total emissions liability (t CO_2-e)	**1,877.31**

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 ($kgCO_2$-e)**	**Scope 3 Emissions ($kgCO_2$-e)**	**(kWh)**	**Scope 3 Emissions ($kgCO_2$-e)**
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	2,545,625	2,545,625	2,011,043	178,194	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)	2,545,625	2,545,625	2,011,043	178,194	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)	**2,545,625**					

Residual scope 2 emissions (t CO_2-e)	**2,011.04**
Residual scope 3 emissions (t CO_2-e)	**178.19**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**2,011.04**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**178.19**
Total emissions liability	**2,189.24**

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 attributable, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. 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
Working from home	Immaterial

Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected **(no actual data).**
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**).

Emissions Source	No actual data	No projected data	Immaterial
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 EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.

2. **Influence** The responsible entity could influence emissions reduction from a particular source.

3. **Risk** The emissions from a particular source contribute to the responsible entity's greenhouse gas risk exposure.

4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.

5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

N/A – no non-attributable sources identified for this product in this reporting period.

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