PUBLIC DISCLOSURE STATEMENT

ACTEWAGL RETAIL PTY LTD

PRODUCT CERTIFICATION
CY22 (TRUE-UP) & CY23 (PROJECTED)

Australian Government

Climate Active
Public Disclosure Statement

ActewAGL An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY	Icon Retail Investments Limited and AGL ACT Retail Investments Pty Ltd
REPORTING PERIOD	1 January 2022 – 31 December 2022 (True-up) & 1 January 2023 – 31 December 2023 (Projected)
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.* 
	Name of signatory: Rachael Turner Position of signatory: General Manager, ActewAGL Retail Date: 17 November 2023

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

Version March 2023.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,020 tCO_2-e (CY22 true-up) 4,624 tCO_2-e (CY23 projection)
OFFSETS USED	26% ACCUs, 74% VERs (CY22 true-up) 25% ACCUs, 75% VERs (allocated to CY23 projection)
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: ActewAGL Retail
TECHNICAL ASSESSMENT	28 September 2021 Point Advisory Next technical assessment due: CY 2024 report

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral certification is for a natural gas product of ActewAGL Retail Pty Ltd, ABN 46 221 314 841. The natural gas product will be offered as an opt-in product to residential, small business (SME) and commercial and industrial (C&I) customers.

Product description

The natural gas product boundary was developed in accordance with the Climate Active Carbon Neutral Standard for Products.

The product lifecycle boundary includes upstream (extraction, production, transmission and distribution) and downstream (combustion) emissions.

The carbon offset liability of ActewAGL Retail's business operations is treated as zero, as these emissions are covered under the organisation certification (submitted separately). The natural gas product has been developed for residential, small business (SME) and commercial and industrial (C&I) customers who opt in to ActewAGL's certified carbon neutral offering.

The functional unit for ActewAGL's natural gas product is gigajoules (GJ) of natural gas sold to the end consumer.

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

Emissions from the exploration and production of natural gas

Transmission & distribution losses for natural gas

Combustion of gas at customers' premises

Electricity

Paper

ICT services and equipment

Professional Services including advertising and fleet management services

Postage

Waste

Business travel

Staff commute to work and working from home

Base building services

Water/ wastewater

Investments (50% equity share in Solarhub Holdings Pty Ltd)

Non-quantified

None

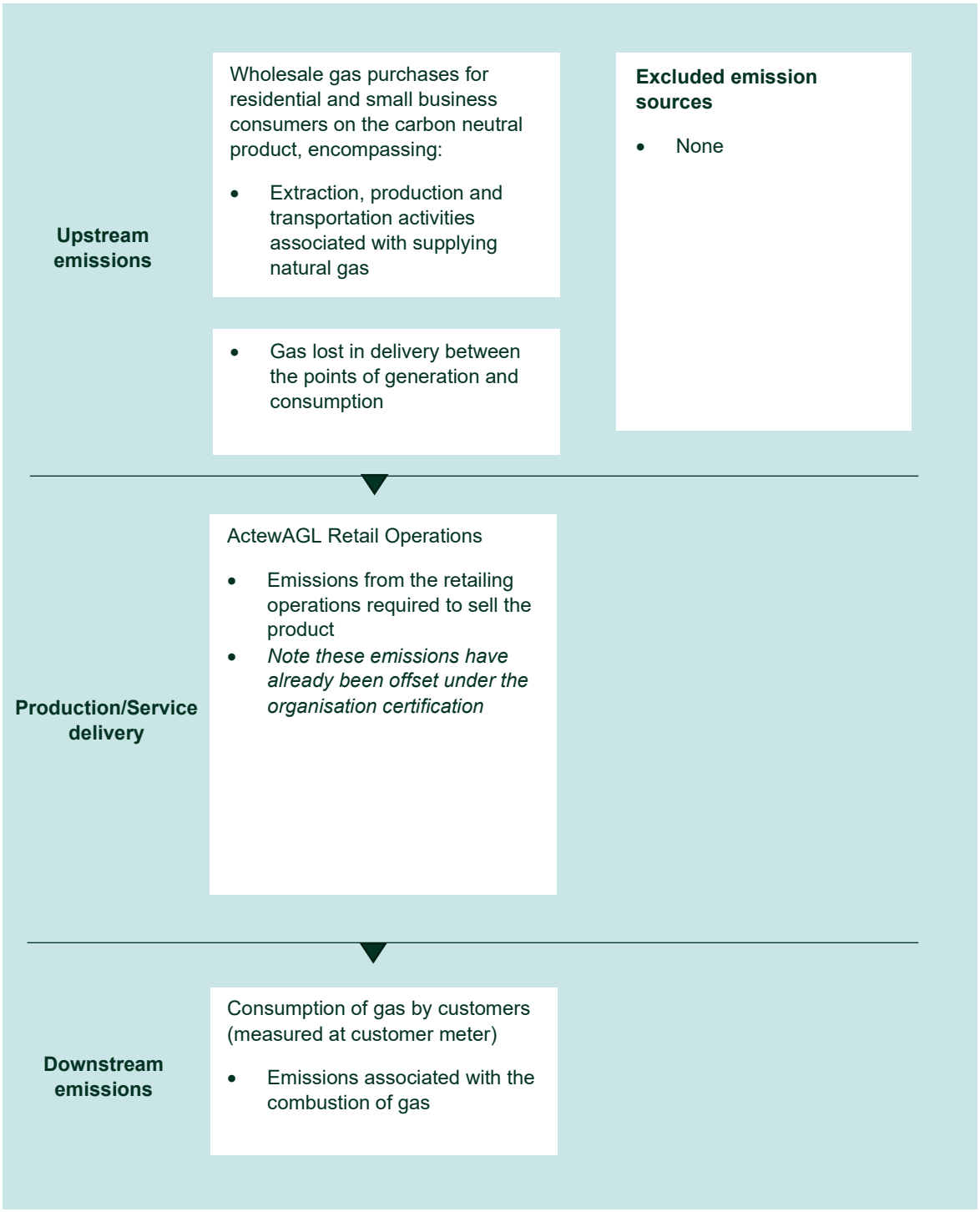
Outside emission boundary

Non-attributable

None

Product process diagram

The following diagram is cradle-to-grave.



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

ActewAGL is committed to reducing its greenhouse gas emissions footprint and delivering a more sustainable future. ActewAGL's commitment to reducing emissions and providing responsible energy solutions is demonstrated through existing actions that underpin its Sustainability Strategy, including:

- Customer energy efficiency and appliance upgrade schemes;
- Supporting the transition to zero emissions transport through initiatives to encourage the uptake of Electric Vehicles (EVs);
- Supporting the transition to full electrification – for homes and businesses, through partnerships, and the offering of innovative products, bundles and tailored advice and support;
- Specialised Virtual Power Plan (VVP) offerings for battery customers that help customers harness and increase the benefits of stationary storage;
- Strategic partnerships with key organisations focused on delivering a more sustainable future; and
- A number of emissions reduction actions across ActewAGL's own business operations.

As a carbon neutral organisation, ActewAGL recognises the importance of targeting scope 3 (downstream) emissions reductions, addressed through its long-term goals to:

- Remove customer barriers to electrification and increase energy equity;
- Prioritise sustainability driven growth at the heart of all products and services;
- Lead in sustainability and enablement of local emissions reductions.

Sustainability Strategy and Community Goals

In the short-term ActewAGL has established 2025 decarbonisation targets that will strengthen the pathway to achieving longer-term goals. These include:

- Ensuring there are $0 upfront sustainable energy options for all customers;
- Carbon neutral choices for all products and services;
- Enabling the reduction of 200kt tCO_2-e reductions in the community.

ActewAGL is committed to bringing the ACT and surrounds good energy by offering sustainable energy solutions now and into the future – ActewAGL's 'Sustainability Promise'. This is underpinned by ActewAGL's community goals aimed at achieving:

- 30% of ACT homes to be powered by solar by 2025.
- 1 in 4 ACT households to drive an electric vehicle by 2030.
- Increasing the number of renewable homes by helping customers transition from gas to renewable electricity with a range of products and services designed to make the switch as seamless as possible.

ActewAGL expects organisational emissions to be relatively stable for the 2023 calendar year, considering current year to date emissions and status of existing initiatives and planned initiatives. ActewAGL will continuously review the overarching Sustainability Strategy and emissions reduction actions to ensure they are technologically innovative, aligned with scientific best practices, and providing meaningful, measurable emission reductions for customers and the greater community.

ActewAGL has set short-term organisational emission reduction targets compared to the 2021 baseline, targeting 20% emissions reduction by 2027 and 30% emissions reduction by 2030. These will be achieved through the below initiatives.

- 100% electric vehicle fleet – December 2022
- Implement compost Waste facilities – December 2023
- Implement policy to minimise flights and offset (as available) – December 2023
- Only purchase sustainably sourced merchandise – December 2023
- Implement sustainability assessment for all consultants, contractors and software providers, to preference carbon neutral/sustainable vendors as contracts expire – December 2024
- Implement active transport incentive scheme – December 2025
- Implement policy to reduce all communication to electronic only (only using postage as required) – December 2025
- Procure 100% carbon neutral paper and office supplies – December 2026

Emissions reduction actions

Since the last Clmate Active submission ActewAGL has undertaken several initiatives to reduce the overall emissions attributable to the carbon neutral gas product. These include initiatives targeting the reduction of downstream emssions through electrification:

- Contined promotion of our Virtual Power Plant (VPP) offering
- Partnerships and promotions of energy, solar and battery bundles
- Continuation of energy efficiency rebates and incentitives for switching from natural gas to electric appliances.

Additionally we have also introduced several measures to lower our organisaational emissions, these include:

- Maintained a fully electric fleet of corporate vehicles.
- Switched completely to sustainably-sourced merchandise.
- Reduced business travel (e.g. flights, taxis) - instead opting primarily for virtual engagements.
- Introduced office composting facilities.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e	**Emissions intensity of the functional unit**
Base year/Year 1:	CY2021	1.00	65.53 kg CO_2-e/GJ
Year 2:	CY2022	1020.00	65.13 kg CO_2-e/GJ
Year 3:	CY2023	4624.00	65.53 kg CO_2-e/GJ

Significant changes in emissions

There was a 485 t CO_2-e difference between estimated and actual emissions attributable to ActewAGL's carbon neutral natural gas product in CY22 (estimated emissions: 1,505 tCO_2-e). The primary cause of this difference was a slightly slower uptake at the beginning of CY22, however uptake increased to expected levels during the second half of CY22.

The CY23 estimate accounts for the increased uptake based on residential customer opt-in rates during late CY22 and early CY23. Whilst the product is also offered to our SME and C&I customers, these contracts are generally more variable in nature to those of our residential customers, making accurate projection of consumption difficult. The consumption of carbon neutral natural gas by SME and C&I customers will be reconciled with projections in the true-up at the end of the CY23 reporting period to ensure that enough offsets have been retired.

Use of Climate Active carbon neutral products and services

N/A

Emissions summary (CY2022 true-up)

Life cycle stage	Product offset liability (tCO_2-e)
Gas product (upstream, service delivery, and downstream)	1,020

Emissions intensity per functional unit	65.13 kg CO_2-e/GJ
Number of functional units to be offset	15,661 GJ
Total emissions to be offset (CY2022 true-up)	**1,020 tCO_2-e**

Emissions summary (CY2023 projection)

The representation of the LCA below is based on a cradle-to-grave approach. No emissions have been included for the Production/Service Delivery stage as ActewAGL's organisational emissions are offset under the organisation certification.

Life cycle stage	tCO_2-e	Product offset liability (tCO_2-e)
Upsteam emissions	3,635	3,636
Production/Service Delivery	15	0[1]
Downstream emissions	988	988
Total	**4,639**	**4,624**

Emissions intensity per functional unit	65.53 kg CO_2-e/GJ
Number of functional units to be offset	70,550 GJ
Total emissions to be offset (CY23 projection)	**4,624 tCO_2-e**

[1] Production/Service delivery emissions are covered by ActewAGL Retail's organisational certification, available here.

6.CARBON OFFSETS

Offsets retirement approach

This certification has taken a forward offsetting approach. The total emissions to offset for the calendar year 2022 true-up report are 1,020 t CO_2-e. The total emissions to offset for the calendar year 2023 projection report are 4,624 t CO_2-e (excluding 15 t CO_2-e covered under the organisation certification). Offsets allocated to the projection report are shown as 'banked for future use'.

Co-benefits

ActewAGL has purchased a mix of carbon offset certificates including Australian Carbon Credit Units (ACCUs) and Gold Standard Verified Emission (GS VER) Units supporting both local and international projects. These certificates were purchased after accounting for ActewAGL's Sustainability Strategy, to offset the remaining emissions. In choosing the projects, ActewAGL has considered its role in supporting both local and global communities and the associated co-benefits of the individual projects. Projects have been selected for their environmental, social and economic benefits to the community and their alignment with the United Nations Sustainable Development Goals (SDGs).

Project: Darling River Eco Corridor 3

Location: New South Wales
This project, located in the Northwest NSW regions sits across three bioregions on the Murry Darling Basin, Darling Riverine Plains and the Cobar Peneplain. The project establishes permanent native forests through assisted regeneration from in-situ seed sources (including rootstock and lignotubers) on land that was cleared of vegetation and where regrowth was suppressed for at least 10 years prior to the project having commenced. The benefits include increased carbon sequestration, land and native vegetation regeneration, stronger ecosystem and improved livestock and land management.

Project: Mugga Lane Landfill Gas-to-Energy

Location: Australian Capital Territory, Australia
This project encompasses landfill gas capture and processing technology within the ACT - transforming waste into electricity. The ACT Government-owned landfill gas power station operates to capture methane gas and convert it to electricity. The gas collected and processed at the Mugga Lane landfill site can power up to 5,700 homes. The facility provides a significant source of renewable energy through the four power generators which have the capacity to produce 37,000 megawatts per year. It is also estimated that the conversion process results in 120,000 tonnes of greenhouse gas abatement per year.

The benefits to the community include:

- reduction in greenhouse gas emissions;
- local and renewable power generation;
- less demand on fossil fuel sources; and

- reduced odours and potential of landfill fires.

Project: Production and Dissemination of Ceramic Water Purifiers

Location: Cambodia

Developed by Hydrologic Social Enterprise, this project involves the production and distribution of Ceramic Water Purifiers (CWPs) manufactured locally in Cambodia using local skills. These units will treat contaminated drinking water and reduce the demand for conventional water treatment through boiling water with non-renewable biomass. By using CWPs, communities reduce indoor and outdoor air pollution from burning wood to boiling water and greenhouse gas emission from typical non-renewable biomass energy usage. It is anticipated the project will provide access to adequate levels of clean drinking water to an estimated 1.7 million people across 312,000 households over seven years. Globally, 884 million people are without access to safe drinking water and more than 2.6 billion people lack access to basic sanitation.

Project: Cookstove Diffusion Program

Location: Lima, Peru

Developed and implemented by Microsol in collaboration with local partners working on site and familiar with the specific project region. The project activity is primarily designed for the long-term improvement of the living conditions for local people, occurring through the use of improved stoves in their household. The project activities involved the dissemination and transfer of improved cook-stoves in rural regions of Peru. It is estimated that the project will deliver 45,000 improved cook-stoves.

Eligible offsets retirement summary

Offsets retired for Climate Active 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 (%)**
Production and dissemination of Ceramic Water Purifiers by Hydrologic, in the Kingdom of Cambodia	VER	Gold Standard	30 Jul 2021	GS1-1-KH-GS1020-16-2019-20065-35147-38034	2019	-	2,888	1,398[2]	504	758	74%
Mugga Lane Landfill Gas Project	ACCU	ANREU	30 Jul 2021	3,750,123,000 – 3,750,126,234	2019-2020	-	1,000	484[3]	175	262	26%
Qori Q'oncha - Improved cookstoves diffusion program in Peru – VPA2	VER	Gold Standard	13 Jun 2023	GS1-1-PE-GS1049-16-2013-5308-110473-115399	2013	-	4,927	0	2,982[4]	0	
Darling River Eco Corridor 3	ACCU	ANREU	13 Jun 2023	8,327,857,820 – 8,327,859,528	2020-2021	-	1,709	0	963[5]	0	0
									Total offsets retired this report and used in this report	**1,020**	
									Total offsets retired this report and banked for future reports	**4,624**	

[2] 228 additional units also used in ActewAGL's organisation certification for calendar year 2022 (true-up).

[3] 79 additional units also used in ActewAGL's organisation certification for calendar year 2022 (true-up).

[4] 194 units have been in ActewAGL's organisation certification for CY2022; an additional 1,751 units have been allocated to cover the CY2023 projected emissions for this organisation certification.

[5] 308 units have been in ActewAGL's organisation certification for CY2022; an additional 438 units have been allocated to cover the CY2023 projected emissions for this organisation certification.

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Australian Carbon Credit Units (ACCUs)	262	26%
Verified Emissions Reductions (VERs)	758	74%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

Darling River Eco Corridor 3 Project (ERF103005) – ACCU Registry transaction record

Transaction Details

Transaction details appear below.

Transaction ID	AU27856
Current Status	Completed (4)
Status Date	13/06/2023 16:57:01 (AEST) 13/06/2023 06:57:01 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Lao, Ly Kheng
Transaction Approver	Merrington, Jane
Comment	

These units were cancelled on behalf of ActewAGL Retail to support its carbon neutral claim against the Climate Active Carbon Neutral Standard (Organisation and Product) for the reporting period CY2023

Transferring Account

Account Number	AU-2680
Account Name	AGL Hydro Partnership
Account Holder	AGL HP1 Pty 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			ERF103005					2020-21		8,327,857,820 - 8,327,859,528	1,709

Transaction Status History

Status Date	Status Code
13/06/2023 16:57:01 (AEST) 13/06/2023 06:57:01 (GMT)	Completed (4)
13/06/2023 16:57:01 (AEST) 13/06/2023 06:57:01 (GMT)	Proposed (1)
13/06/2023 16:57:01 (AEST) 13/06/2023 06:57:01 (GMT)	Account Holder Approved (97)
13/06/2023 16:49:04 (AEST) 13/06/2023 06:49:04 (GMT)	Awaiting Account Holder Approval (95)

APPENDIX B: ELECTRICITY SUMMARY

N/A

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.

N/A – no non-quantified sources in the emissions boundary.

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**).

N/A – no attributable (excluded) sources in the emissions boundary.

Data management plan for non-quantified sources

There are no non-quantified sources in the emissions 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 in the emissions boundary.

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