



# **PUBLIC DISCLOSURE STATEMENT**

**ACTEWAGL RETAIL PTY LTD**

**ORGANISATION AND PRODUCT  
CERTIFICATIONS CY2021 (TRUE-UP) &  
CY2022 (PROJECTED)**

Australian Government  
**Climate Active**  
**Public Disclosure Statement**

**ActewAGL**



An Australian Government Initiative



NAME OF CERTIFIED ENTITY: ActewAGL Retail Pty Ltd

REPORTING PERIOD: Organisational Footprint: 1 January 2022 – 31 December 2022

Product: 1 January 2022 – 31 December 2022

**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**

A handwritten signature in black ink, appearing to be 'Rachael Turner'.

**Date** 9 September 2022

**Name of Signatory**

Rachael Turner

**Position of Signatory**

General Manager, Retail



**Australian Government**

**Department of Industry, Science,  
Energy and Resources**

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# 1. CARBON NEUTRAL INFORMATION

## Description of certification

This certification covers the whole of ActewAGL Retail (“ActewAGL”) business operations and a natural gas product. This is both a true-up report for CY2021 and a projected report for CY2022.

For the business operations emissions inventory in this public disclosure summary (PDS), the organisational boundary has been defined based on an operational control approach. The following facilities are included in the emissions boundary:

- Office – 40 Bunda St, Canberra ACT 2600
- Office – 16 Lithgow St, Fyshwick ACT 2609

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. ActewAGL retail business operations are excluded as they are covered under the organisation certification. 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 our natural gas product is gigajoules (GJ) of natural gas sold to the end consumer.

Both certifications relate to ActewAGL Retail Pty Ltd (ABN 46 221 314 841).

## Organisation description

ActewAGL is a multi-utility joint venture company comprising partnerships between Icon Water Ltd and AGL Energy. ActewAGL sells and distributes electricity and natural gas to homes and businesses throughout the Australian Capital Territory and south-east New South Wales.

*“ActewAGL is committed to providing carbon neutral energy options to all our customers. Certifying with Climate Active helps us to achieve this ambition.”*

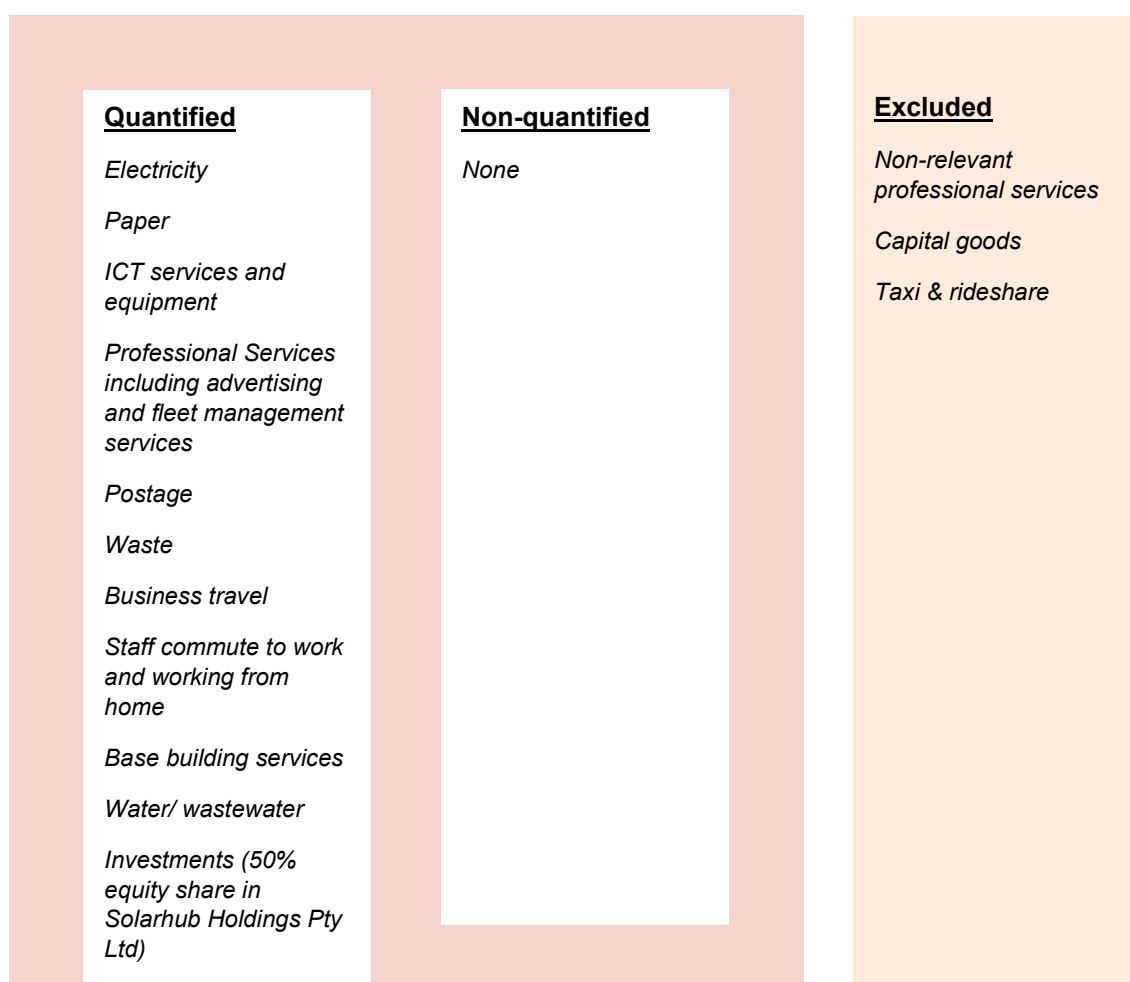
## 2. EMISSION BOUNDARY

### Diagram of the certification boundary for organisation

The following emissions sources are included in ActewAGL's organisational greenhouse gas inventory, which includes all direct (Scope 1) and indirect (Scope 2) emissions sources as well as all applicable other indirect (Scope 3 - upstream) emissions sources.

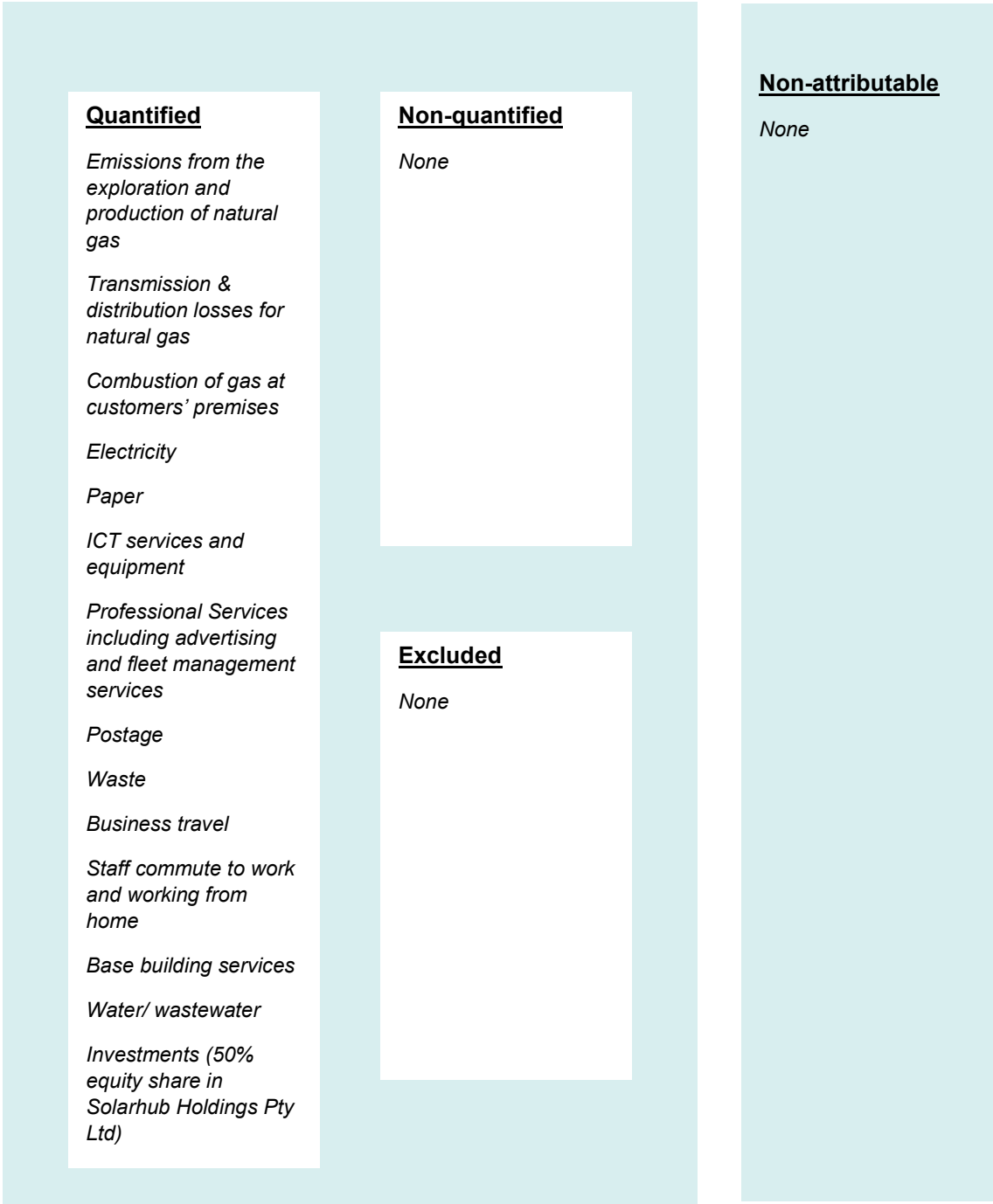
This is a medium organisation certification.

The diagram below shows the emissions sources considered (quantified and non-quantified) and emissions sources that were excluded.



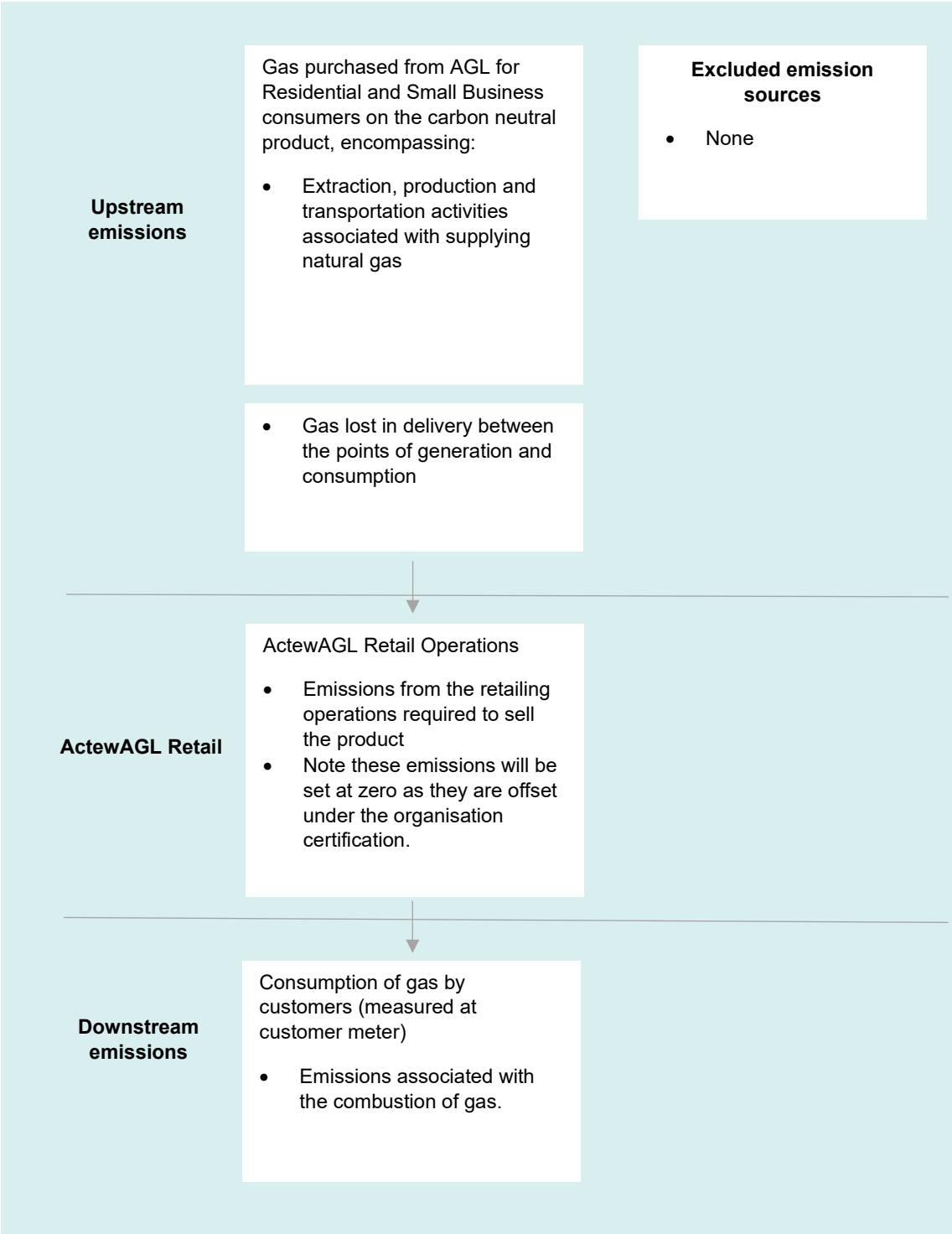
## Diagram of the certification boundary for product

The following diagram is cradle to grave.



# Product process diagram

The following diagram is cradle to grave.



## Non-quantified sources

N/A

## Data management plan

N/A

## Excluded sources (outside of certification boundary)

Professional services (including for example, accounting, banking and legal services), capital goods and taxi /rideshare services have been excluded from the boundary on the basis that they do not meet the relevance requirements set out in the Standard. For the purposes of relevance testing, capital goods included items such as IT equipment, office furniture and manufactured goods. Further details on our relevance testing of this source are provided in Appendix 1.

*“ActewAGL is committed to providing carbon neutral energy options to all our customers.*

*Certifying with Climate Active helps us to achieve this ambition.”*

## 3. EMISSIONS REDUCTIONS

### Emissions reduction strategy

ActewAGL is committed to reducing its greenhouse gas emissions footprint and delivering a more sustainable future. Our commitment to reducing our emissions and providing responsible energy solutions is demonstrated through existing actions that underpin the direction of our emission reduction strategy, including:

- Customer energy efficiency appliance upgrade schemes;
- Strategic partnerships with key organisations focussed on delivering a more sustainable future;
- Supporting the transition to zero emissions transport through initiatives to encourage uptake of Electric Vehicles (EVs);
- Specialised Virtual Power Plan (VVP) offerings for battery customers that helps customers harness and increase the benefits of stationary storage; and
- A number of emissions reduction actions across our own business operations.

As part of our integrated approach towards sustainability we aim to provide accessible and innovative options for our customers and community allowing them to transition to a zero-carbon economy within their existing means, culture and beliefs while ensuring long-term financial sustainability.

As a carbon neutral organisation, ActewAGL recognises the importance of targeting scope 3 emissions reductions, addressed through our bold and ambitious long-term goals to:

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

Our 2025 decarbonisation targets, to be detailed in our 2022 Sustainability Strategy, will strengthen the pathway to our longer-term goals. The formulation of these goals will result in a revised emissions reduction strategy to be incorporated into the CY22 (true-up)/CY23 organisational and carbon neutral gas product PDS.

We will continuously review our overarching sustainability strategy and emissions reduction strategy to ensure we are technologically innovative, aligned with scientific best practices, and providing meaningful, measurable emission reductions for our customers and our greater community.

### Emissions reduction actions

Specific emissions reduction actions will be detailed within our 2022 Sustainability Strategy. These actions will be incorporated into the CY22 (true-up)/CY23 organisational and carbon neutral gas product PDS.



## 4. EMISSIONS SUMMARY

### Organisation – True up of total net emissions

1) Projected emissions for reporting period	2187.10 t CO <sub>2</sub> -e
2) Actual emissions for reporting period	1880.84 t CO <sub>2</sub> -e
3) Difference	306 t CO <sub>2</sub> -e

### Uplift factors

N/A

### Carbon neutral products

N/A

## Electricity summary

Electricity emissions were calculated using a market-based approach.

### Market-based approach electricity summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	0	0	0%
<b>Total non-grid electricity</b>	<b>0</b>	<b>0</b>	<b>0%</b>
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	371,714	0	53%
Jurisdictional renewables (LGCs retired)	574,466	0	81%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	130,746	0	19%
Large Scale Renewable Energy Target (applied to grid electricity only)	0	0	0%
Residual Electricity	-371,714	-369,615	-53%
<b>Total grid electricity</b>	<b>705,212</b>	<b>-369,615</b>	<b>100%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>705,212</b>	<b>-369,615</b>	<b>153%</b>
Electricity renewables	1,076,925	0	
Residual Electricity	-371,714	-369,615	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emissions (kgCO <sub>2</sub> e)		0	
<b>Total renewables (grid and non-grid)</b>			<b>152.71%</b>
<b>Mandatory</b>			<b>100.00%</b>
<b>Voluntary</b>			<b>52.71%</b>
<b>Behind the meter</b>			<b>0.00%</b>
<b>Residual Electricity Emission Footprint (TCO<sub>2</sub>e)</b>			<b>0</b>
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>			
<i>Voluntary includes LGCs retired by the ACT (MWh)</i>			574

**Location-based summary**

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	705,212	550,065	49,365
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>705,212</b>	<b>550,065</b>	<b>49,365</b>
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
<b>Non-grid electricity (Behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Electricity Consumed</b>	<b>705,212</b>	<b>550,065</b>	<b>49,365</b>

<b>Emission Footprint (TCO2e)</b>	<b>599</b>
<i>Scope 2 Emissions (TCO2e)</i>	550
<i>Scope 3 Emissions (TCO2e)</i>	49

## Gas Product - Emissions summary (inventory)

Emission source category	Project emissions tonnes CO <sub>2</sub> -e	Actual Emissions tonnes CO <sub>2</sub> -e
AAR Carbon neutral gas product	1700	1
<i>Total Net Emissions</i>		1

There was a 1,699 t CO<sub>2</sub>e difference between estimated and actual emissions attributable to our carbon neutral natural gas product in CY21. The primary cause of this difference was a delay to the launch of the product from July 2021 to December 2021 leading to negligible uptake within CY21.

## Gas Product – CY22 Projection

The CY22 estimate accounts for uptake based on residential customer opt-in rates since product launch. 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 CY22 reporting period to ensure that enough offsets have been retired.

### Functional units (projected)

	Number of functional units
<i>Number of functional units to be forward offset demonstrating commitment to carbon neutrality (true-up to be conducted at the end of the reporting period)</i>	22,955 GJ

### Emissions summary (projected)

Emission source category	tonnes CO <sub>2</sub> -e
AAR Carbon neutral gas product	1,505 tCO <sub>2</sub> -e
1. Total inventory emissions	
a. Number of functional units represented by the inventory emissions	22,955 GJ
2. Emissions per functional unit (based on the number of functional units represented by the inventory) Total tCO <sub>2</sub> -e divided by the number of functional units in 1a.	65.13 kgCO <sub>2</sub> -e
3. Carbon footprint (Emissions per functional unit (2)* number of functional units (a or b from table 4))	1,505 tCO <sub>2</sub> -e

### Carbon neutral products

N/A

## 5. CARBON OFFSETS

This is ActewAGL's second year of carbon neutral certification, and we have applied the forward purchasing approach for purchasing and retiring offsets. Offsets have been purchased to ensure we are carbon neutral for the CY22 period 1 January 2022 to 31 December 2022 for both our organisation and carbon neutral gas product. The combined CY22 organisational and product carbon footprint is 3,386 t CO<sub>2</sub>-e: 1,881 t CO<sub>2</sub>-e for our organisational certification and 1,505 t CO<sub>2</sub>-e for our gas product certification. There is a 2,006 tCO<sub>2</sub>e variance between retired offsets and actual emissions across the organisational and product certifications for CY21. These offsets have been carried forward to the CY22 certifications, leaving a balance of 1,380 offsets to be retired.

For the gas product specifically, offsets have been pre-purchased based on estimated customer opt-in rates. At the end of the certification reporting period, customer opt-in figures will be reviewed and any true-up of offsets will take place as required. For the organisation's certification, we have used the actual emissions figures from CY21 as the projection for CY22. At the end of the certification reporting period, a true-up will be conducted to ensure that enough offsets have been retired.

### Organisation Certification:

Offset purchasing strategy: Forward purchasing

<b>1. Total eligible offsets forward purchased and retired in last year's report</b>	2188
<b>2. Total emissions footprint to offset for this report</b>	1881
<b>3. Total eligible offsets retired and used for this report</b>	307 credit
<b>4. Total eligible offsets forward purchased and retired for next year's report</b>	1881
<b>5. Total eligible offsets forward purchased and retired for next year's report plus any remaining banked offsets to be carried over</b>	1881

## Gas product Certification:

Offset purchasing strategy: Forward purchasing

1. <b>Total offsets previously forward purchased and banked for this report</b>	1700
2. <b>Total emissions liability to offset for this report</b>	1
3. <b>Net offset balance for this reporting period</b>	1699 Credit
4. <b>Total offsets to be forward purchased to offset the next reporting period</b>	1505
5. <b>Total eligible offsets forward purchased and retired for next year's report plus any remaining banked offsets to be carried over</b>	1505

## Offsets summary

Proof of cancellation of offset units

1. Total offsets required for this report				1882 (1881 organisation and 1 for gas product)					
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)	Quantity used in previous report	Quantity banked for future years	Quantity used in this report
Production and dissemination of Ceramic Water Purifiers by Hydrologic, in the Kingdom of Cambodia (GS1020)	VERs	GSF Registry	30 Jul 2021	<a href="#">GS1-1-KH-GS1020-16-2019-20065-35147-38034</a>	2019	2,888	0	1490	1398
Mugga Lane Landfill Gas Project (EOP100107)	ACCUs	ANREU	30 Jul 2021	<a href="#">3,788,844,123 – 3,788,845,122</a>	2019-2020	1,000	0	516	484
Qori Q'oncha - Improved cookstoves diffusion program in Peru (GS1049)	VERs	GSF Registry	14 June 2022	<a href="#">GS1-1-PE-GS1049-16-2013-5308-15936-17315</a>	2013	1,380	0	1380	0
<i>Total offsets retired for CY2021 claim</i>							0	0	1882
<i>Total offsets retired and banked for the true-up of CY2022 claim</i>							0	3386	0



## 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 emissions reduction strategy, to offset the remaining emissions. In choosing the projects, we have considered our role in supporting both local and global communities and the associated co-benefits of the individual projects. We have selected projects for their environmental, social and economic benefits to the community and their alignment with the United Nations Sustainable Development Goals (SDGs).

**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.

## 6. USE OF TRADEMARK

**Table 10**

Description where trademark used	Logo type
The trademark will be used in our Sustainability report and on our website	Certified organisation and certified gas product
Social media sites including LinkedIn, Instagram, Twitter	Certified organisation and certified gas product
Other marketing materials (printed, newsletters, online communications)	Certified organisation and certified gas product
Email signature	Certified organisation and certified gas product

## 7. ADDITIONAL INFORMATION

N/A

# APPENDIX 1

## Excluded emissions for organisation

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.

Relevance test					
Excluded emission sources	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>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.</i>
Professional services (including accounting, banking and legal services)	Yes	No	No	No	No
Capital goods	No	No	No	No	No
Business travel - Taxi & rideshare	No	No	Yes	No	No

## Non-attributable emissions for product

To be deemed attributable an emission must meet two of the five relevance criteria. Non-attributable emissions are detailed below against each of the five criteria. Note that there are no non-quantified attributable sources for the product.

## APPENDIX 2

### **Non-quantified emissions for organisations**

N/A

### **Non-quantified emissions for product**

N/A