PUBLIC DISCLOSURE STATEMENT

ALINTA ENERGY

OPT-IN GAS PRODUCT CERTIFICATION
FY2022–23 (TRUE-UP)

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Alinta Energy Pty Ltd
REPORTING PERIOD	Financial year 1 July 2022 – 30 June 2023 True-up
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.* 
	Mike Searles General Manager, Safety and Sustainability 07 December 2023

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

Version: August 2023

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	0 tCO_2-e
CARBON OFFSETS USED	N/A
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Ndevr Environmental Pty Ltd
TECHNICAL ASSESSMENT	Date: 21/02/2022 Organisation: Ndevr Environmental Pty Ltd Next technical assessment due: FY2024-25
THIRD PARTY VALIDATION	Type 3 Date: 19/04/2022 Organisation: Edge Environment Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of certification

Alinta Energy has been supplying energy in Australia for over 20 years and has over 1 million energy retail customers. As a major investor in renewable energy, Alinta Energy is committed to playing a role in the transition to a low carbon economy. New investment is focused on either renewables or ways to improve efficiency and reduce emissions of existing power generation.

Alinta Energy managed the build of Western Australia's biggest wind farm, has supported major mining companies in reducing their emissions (using either less diesel or less gas) with battery and solar, and is currently planning offshore wind and pumped hydro projects. Alinta Energy has a 2025 target of 1,500MW of owned and contracted renewable energy generation or storage and a net zero 2050 target.

This certification and Public Disclosure Statement (PDS) cover Alinta Energy's opt-in natural gas product under the Climate Active Carbon Neutral Standard for Products and Services. The product is called "Carbon Balance" and it enables customers who select the product to offset the greenhouse gas emissions associated with the natural gas they purchase from Alinta Energy. The emissions reported are for FY2022-23, the first year of certification, via a true-up report performed at the end of the reporting year.

This certification confirms that Alinta Energy's opt-in natural gas product met the requirements under the Climate Active Carbon Neutral Standard for Products and Services during FY2022-23.

Carbon Balance was launched on 1 August 2023. As a result, the product was not purchased by any customers during FY2022-23.

Product description

The functional unit for the certified Carbon Neutral electricity product is 1 gigajoule (GJ) of opt-in natural gas consumed, with emissions expressed as tonnes of CO_2-e per GJ.

Natural gas is purchased via gas markets or direct supply contracts from various producers and transmitted and distributed via pipelines. Alinta Energy's Carbon Neutral natural gas product offsets greenhouse gas emissions associated with sourcing, distribution, retailing and consumption of natural gas.

This certification is cradle to grave and assumes combustion of natural gas by the end user.

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

Natural gas sold (including its sourcing, transmission, distribution, and consumption)

Business travel (including accommodation and facilities, air transport, car hire, taxis & Ubers and food and drink)

Cleaning services

Computer and technical services

Electricity

Fleet of vehicles

Food & Catering

Legal services

Mailing services: parcels, postal and courier

Printing & stationery

Telecommunications

Staff commuting

Waste and recycling

Water usage

Non-quantified

N/A

Optionally included

N/A

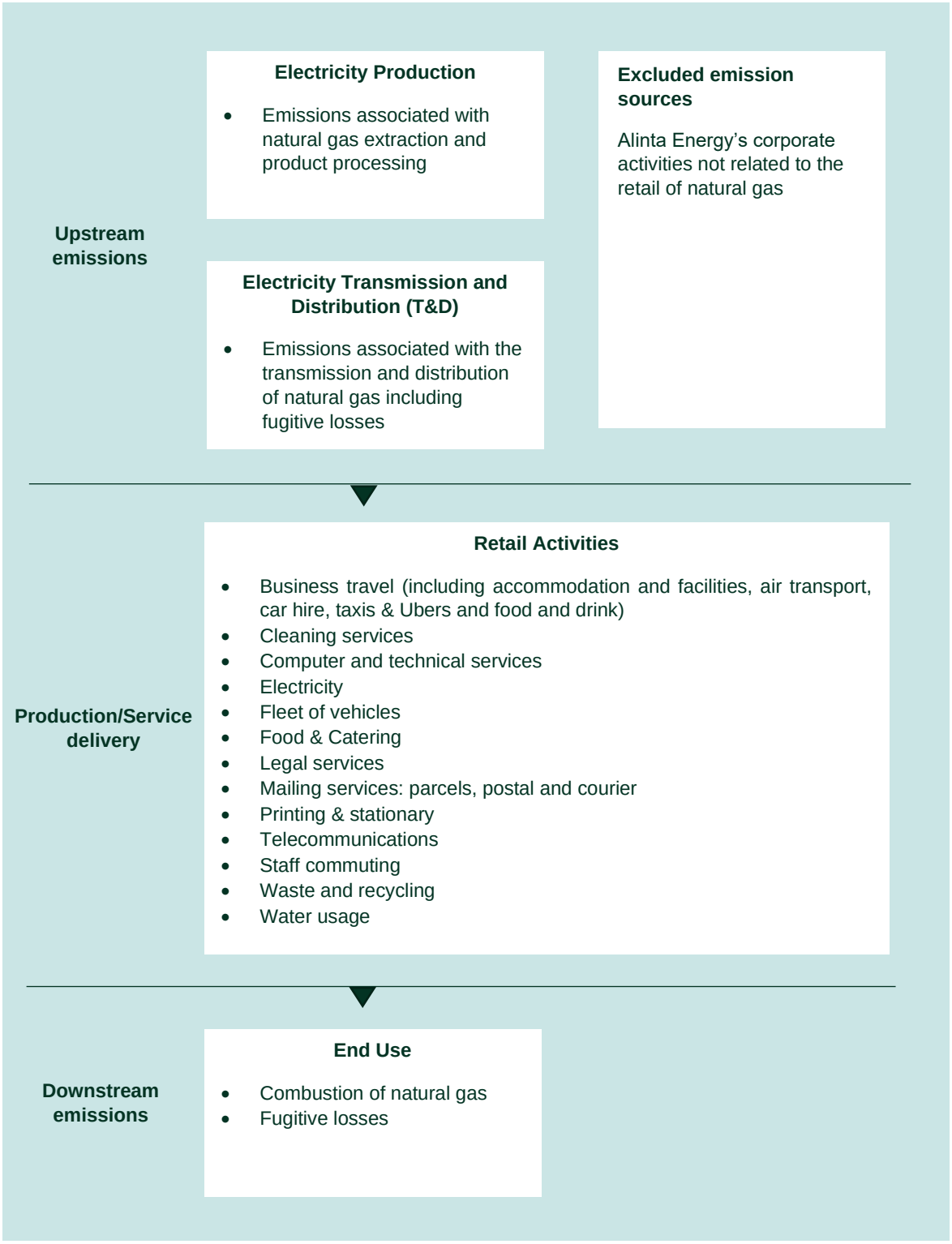
Outside emission boundary

Non-attributable

N/A

Product/service process diagram

The following diagram is aligned with a cradle-to-grave boundary.



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Alinta Energy is committed to becoming the best energy company and we are proud to take a leading role in Australia's transition to a low carbon economy.

Our approach to achieve our net zero by 2050 target involves two steps:

1) Reduce our Scope 1 and 2 greenhouse gas emissions as close to zero as practical, and
2) Reduce any residual Scope 1 and 2 emissions to zero using credible[1] carbon offsets and/or renewable energy certificates[2].

Our Pathway to Net Zero includes the following strategies:

Commit to no new coal assets. We will not invest in, support, or underwrite any new coal-fired power generation assets. While coal-fired generation is still critical to Australia's electricity grid stability right now, the transition to a low carbon future is well underway. Scientific research, economic drivers, and community sentiment all support phasing out coal-fired generation over time.

Invest in clean energy technologies. We have a target to support development of 1,500MW of renewable generation and/or energy storage capacity by 2025. As of 30 June 2023, we have achieved cumulative progress of 999MW toward this target.

Help customers meet their climate ambitions. We have expanded the range of renewable and carbon[i] neutral energy products we offer our customers.

Establish interim emission reduction targets. We will contribute to the ongoing decarbonisation of Australia's electricity grid by meeting our Scope 1 and Scope 2 targets.

- **Scope 1 Target:** Reduce the emissions intensity of our net Scope 1 emissions by 40% by FY25:
    - From: 0.667 tCO_2-e/MWh (in FY18 base year)
    - To: 0.400 tCO_2-e/MWh (by FY25).
- **Scope 2 Target:** Reduce our Scope 2 emissions to zero by voluntarily surrendering credible carbon offset and/or renewable energy certificates by FY25.

Alinta Energy does not produce or extract gas, and there were no relevant targets to reduce the emissions intensity of the gas product during the reporting period.

[1] Credible carbon offset certificates are defined as certificates that are eligible under the Australian Government's Climate Active program. Credible renewable energy certificates are defined as certificates created under the Australian Government's Renewable Energy Target.

[2] Renewable energy certificates can only be used to reduce the quantity of electricity consumed from the grid when calculating Scope 2 emissions, in accordance with rules set out under the Australian Government's Corporate Emissions Transparency Report (CERT) rules. Renewable energy certificates will not be used to offset Scope 1 emissions.

5.EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

N/A

Emissions summary

Stage	tCO_2-e
Alinta Energy retail activities (relating to the sales for the natural gas product certification based on actual opt-in sales volumes)	0.00
Combustion and transportation of natural gas by end user	0.00

Carbon Balance was launched on 1 August 2023. As a result, the product was not purchased by any customers during FY2022-23 and therefore there are no emissions associated with it.

No uplift factors were included in the total emissions.

Emissions intensity per functional unit	**0.00 tCO_2-e/GJ**
Number of functional units to be offset	**N/A**
Total emissions to be offset	**0.00 tCO_2-e**

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken a forward offsetting approach. The total emission to offset is 0 t CO_2-e. The total number of eligible offsets used in this report is zero. Of the total eligible offsets, 400 were previously banked and 2,810 were newly purchased and retired for the natural gas product certification. Because Alinta Energy's opt-in natural gas product was not purchased in FY23, 3,210 offsets units are remaining and have been banked for future use.

Eligible offsets retirement summary

Offsets retired for Climate Active carbon neutral 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 (%)**
Wollert Landfill Gas Project	ACCUs	ANREU	2 May 2022	3,781,268,025 – 3,781,270,024	2018-19	-	2,000	0	200*	0	6.2%
Lucas Heights 2 landfill Gas Project	ACCUs	ANREU	2 May 2022	3,803,123,387 – 3,803,125,386	2020-21	-	2,000	0	200*	0	6.2%
Capture and Combustion of Landfill Gas from Saltwater Creek Landfill, Maryborough, QLD	ACCUs	ANREU	6/10/2023	8,350,409,467 - 8,350,409,502	2022-23	-	36	0	13*	0	0.4%
Kendall River Station	ACCUs	ANREU	6/10/2023	8,344,018,672 - 8,344,021,671	2021-22	-	3,000	0	1,114*	0	34.7%
Biomass Solutions, Waste Diversion through Alternative Waste Management at Coffs Harbour	ACCUs	ANREU	6/10/2023	8,340,257,000 - 8,340,261,532	2021-22	-	4,533	0	1,683*	0	52.5%
									Total offsets retired this report and used in this report	**0**	
									Total offsets retired this report and banked for future reports	**3,210**	

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Australian Carbon Credit Units (ACCUs)	0	0%

*Offsets have been retired for both of Alinta Energy's natural gas and electricity product certifications. This PDS outlines the retirement of 3,210 offset units for Alinta Energy's opt-in natural gas product, and the PDS for Alinta Energy's opt-in electricity product outlines the offset units retired for the electricity product.

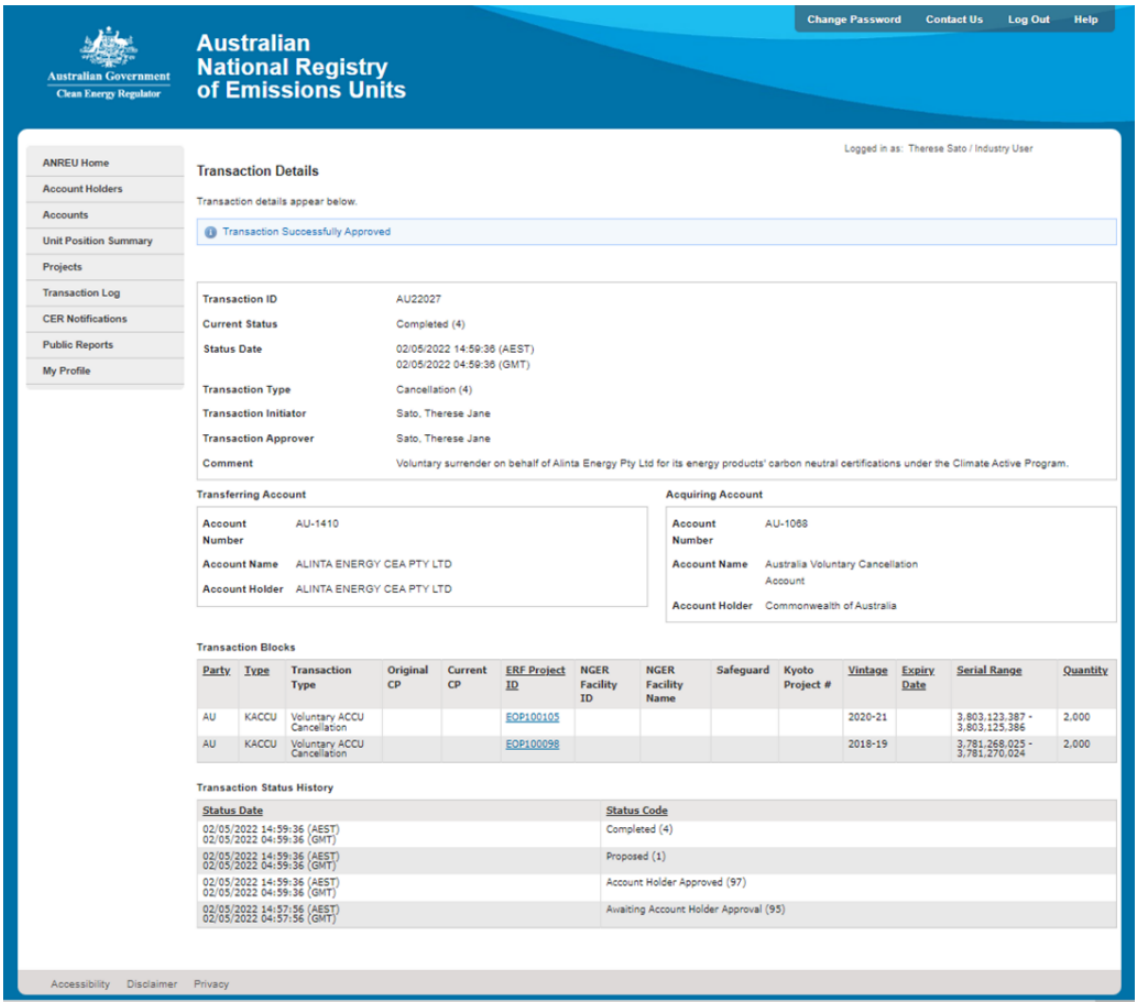
7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

Serial numbers 3,781,268,025 – 3,781,270,024 and 3,803,123,387 – 3,803,125,386:



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Transaction Details

Transaction details appear below.

Transaction Successfully Approved

Transaction ID	AU22027
Current Status	Completed (4)
Status Date	02/05/2022 14:59:36 (AEST) 02/05/2022 04:59:36 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Sato, Therese Jane
Transaction Approver	Sato, Therese Jane
Comment	Voluntary surrender on behalf of Alinta Energy Pty Ltd for its energy products' carbon neutral certifications under the Climate Active Program.

Transferring Account

Account Number	AU-1410
Account Name	ALINTA ENERGY CEA PTY LTD
Account Holder	ALINTA ENERGY CEA PTY LTD

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			EOP100105					2020-21		3,803,123,387 - 3,803,125,386	2,000
AU	KACCU	Voluntary ACCU Cancellation			EOP100098					2018-19		3,781,268,025 - 3,781,270,024	2,000

Transaction Status History

Status Date	Status Code
02/05/2022 14:59:36 (AEST) 02/05/2022 04:59:36 (GMT)	Completed (4)
02/05/2022 14:59:36 (AEST) 02/05/2022 04:59:36 (GMT)	Proposed (1)
02/05/2022 14:59:36 (AEST) 02/05/2022 04:59:36 (GMT)	Account Holder Approved (97)
02/05/2022 14:57:56 (AEST) 02/05/2022 04:57:56 (GMT)	Awaiting Account Holder Approval (95)

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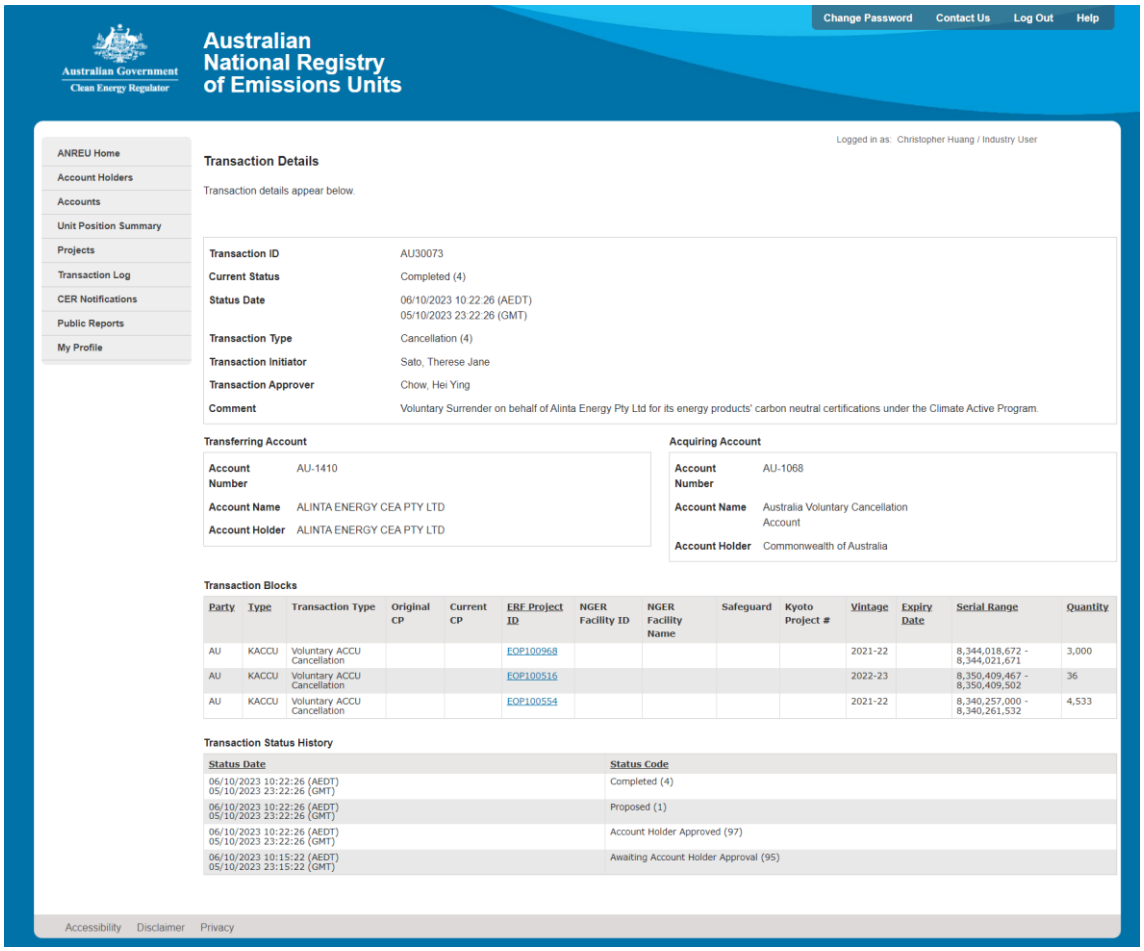
Serial numbers 8,350,409,467 - 8,350,409,502, 8,344,018,672 - 8,344,021,671 and 8,340,257,000 - 8,340,261,532:



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Transaction Details

Transaction details appear below.

Transaction ID	AU30073
Current Status	Completed (4)
Status Date	06/10/2023 10:22:26 (AEDT) 05/10/2023 23:22:26 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Sato, Therese Jane
Transaction Approver	Chow, Hei Ying
Comment	Voluntary Surrender on behalf of Alinta Energy Pty Ltd for its energy products' carbon neutral certifications under the Climate Active Program.

Transferring Account

Account Number	AU-1410
Account Name	ALINTA ENERGY CEA PTY LTD
Account Holder	ALINTA ENERGY CEA PTY LTD

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			EOP100968					2021-22		8,344,018,672 - 8,344,021,671	3,000
AU	KACCU	Voluntary ACCU Cancellation			EOP100516					2022-23		8,350,409,467 - 8,350,409,502	36
AU	KACCU	Voluntary ACCU Cancellation			EOP100554					2021-22		8,340,257,000 - 8,340,261,532	4,533

Transaction Status History

Status Date	Status Code
06/10/2023 10:22:26 (AEDT) 05/10/2023 23:22:26 (GMT)	Completed (4)
06/10/2023 10:22:26 (AEDT) 05/10/2023 23:22:26 (GMT)	Proposed (1)
06/10/2023 10:22:26 (AEDT) 05/10/2023 23:22:26 (GMT)	Account Holder Approved (97)
06/10/2023 10:15:22 (AEDT) 05/10/2023 23:15:22 (GMT)	Awaiting Account Holder Approval (95)

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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.

Note that the electricity summary tables presented below are deliberately blank. As this product was not available in this reporting period, no attributable electricity consumption occurred.

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)	0	0	0%
Residual Electricity	0	0	0%
Total renewable electricity (grid + non grid)	**0**	**0**	**0%**
Total grid electricity	**0**	**0**	**0%**
Total electricity (grid + non grid)	**0**	**0**	**0%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**0**	**0**	
Scope 2	0	0	
Scope 3 (includes T&D emissions from consumption under operational control)	0	0	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	.

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

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	0	0	0	0	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)	**0**	**0**	**0**	**0**	**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)	**0**					

Residual scope 2 emissions (t CO_2-e)	**0.00**
Residual scope 3 emissions (t CO_2-e)	**0.00**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Total emissions liability	**0.00**

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
N/A	

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**).

	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 processes identified for this product in this reporting period.

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