




PUBLIC DISCLOSURE STATEMENT

**ALINTA ENERGY
ELECTRICITY
PRODUCT CERTIFICATION
FY2022-23 (PROJECTED)**

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Alinta Energy Pty Ltd
REPORTING PERIOD	Financial year 1 July 2022 – 23 Projected
DECLARATION	<p><i>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.</i></p>  <p>Mike Searles General Manager, Safety and Sustainability June 2022</p>



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

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Version September 2021. To be used for FY20/21 reporting onwards.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	3,405 tCO ₂ e
THE OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	21/02/2022 Michaela Hermanova Ndevr Environmental Next technical assessment due: FY24
THIRD PARTY VALIDATION	Initial reports only, otherwise you may delete this row. Type 3 Date: 19 th April, 2022 Name: Jonas Bengtsson Organisation: Edge Environment Pty Ltd

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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) covers Alinta Energy's (ABN 64 614 975 629) opt-in electricity product. The emissions reported here are for FY2021 which are being projected out to FY2022-23, which is the first year of certification.

This certification will allow customers to offset greenhouse gas emissions associated with the electricity they purchase from Alinta Energy as an optional opt-in offering starting from 1 July 2022.

Product/Service description

Alinta Energy has launched a certified Carbon Neutral electricity product as an optional opt-in offering. The functional unit is 1 megawatt hour (MWh) of opt-in electricity consumed, with emissions expressed as tonnes of CO₂e per MWh.

Electricity is generated, transmitted and distributed through the grid. Alinta Energy's Carbon Neutral electricity product offsets greenhouse gas emissions associated with generation, transmission, distribution, retailing and consumption of electricity. The certification is cradle to grave and assumes consumption of electricity by the end user.

"Alinta Energy is committed to the transition to a low carbon economy. Our customers have a choice and Climate Active certification helps inform decisions around low carbon products and services."

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' that become the product, make the product and carry the product through its life cycle. These 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

Sold electricity (including its generation, 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 (office use)

Fleet 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

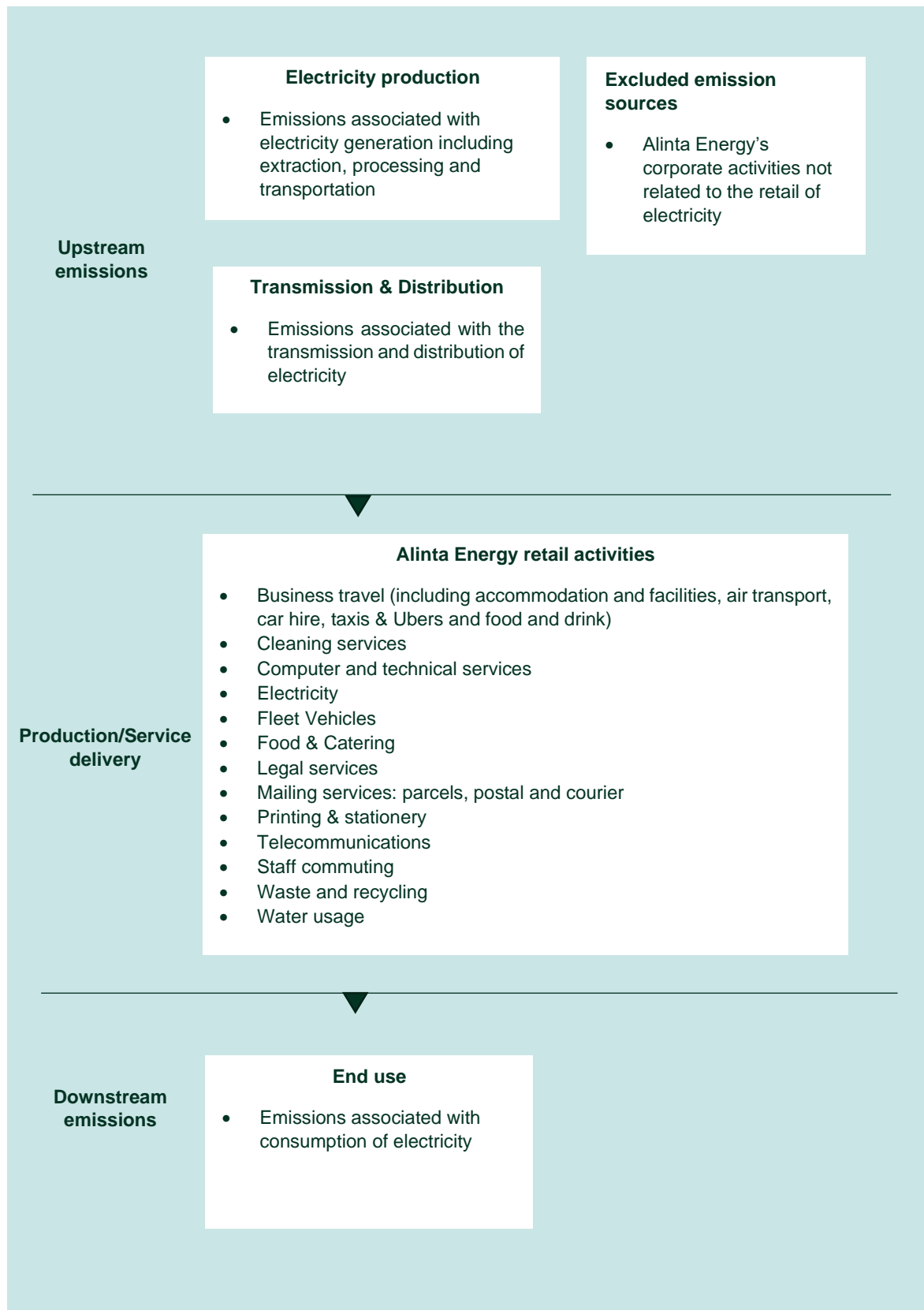
Outside emission boundary

Non-attributable

N/A

Product/service process diagram

The following diagram is cradle to grave.



Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

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. We have recently announced our net zero by 2050 target. Our approach to achieve this target involves two steps:

- 1) Reduce our Scope 1 and 2 greenhouse gas emissions as close to zero as practical, and
- 2) Offset any residual Scope 1 and 2 emissions using credible¹ carbon offsets and/or renewable energy certificates².

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 2021, we have achieved cumulative progress of 860MW toward this target.

Help customers meet their climate ambitions. We are expanding the range of renewable and carbon 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 tCO₂e/MWh (in FY18 base year)
 - To: 0.400 tCO₂e/MWh (by FY25).
- **Scope 2 Target:** 100% of our Scope 2 emissions will be offset by voluntarily surrendering credible carbon offset and/or renewable energy certificates by FY25.

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

No Climate Active carbon neutral products were used during this reporting period.

Product emissions summary

Stage	tCO ₂ e
Alinta Energy retail activities (relating to the sales for this natural gas product certification based on estimated, projected opt in volumes)	4.1
Generation, transmission, distribution, and usage of electricity	3,400

No uplift factors are included in the emissions total.

Emissions intensity per functional unit	0.68 tCO ₂ e/MWh
Number of functional units to be offset	Confidential
Total emissions to be offset	3,405 tCO ₂ e

6.CARBON OFFSETS

Offsets strategy

Offset purchasing strategy: Forward purchasing	
1. Total offsets previously forward purchased and banked for this report	0
2. Total emissions liability to offset for this report	3,405
3. Net offset balance for this reporting period	3,405
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	3,405

Offsets summary

Proof of cancellation of offset units

Offsets cancelled for Climate Active Carbon Neutral Certification										
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Eligible Quantity (tCO ₂ e)	Quantity used for previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period claim	Percentage of total (%)
Wollert Landfill Gas Project, Vic	KACCUs	ANREU	2 May 2022	3,781,268,025 – 3,781,270,024	2018-19	2,000	0	97	1,703	50%
Lucas Heights 2 landfill Gas Project, NSW	KACCUs	ANREU	2 May 2022	3,803,123,387 – 3,803,125,386	2020-21	2,000	0	98	1,702	50%
Total offsets retired this report and used in this report									3,405	
Total offsets retired this report and banked for future reports								195		
Type of offset units			Quantity (used for this reporting period claim)				Percentage of total			
Australian Carbon Credit Units (ACCUs)			3,405				100			

Offsets have been retired for both of Alinta Energy's natural gas and electricity product certifications. This PDS outlines the retirement of 3,405 offset units for Alinta Energy's opt-in electricity product, and the PDS for Alinta Energy's opt-in natural gas product outlines the offset units retired for the natural gas product.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary


The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

1. Large-scale Generation certificates (LGCs)*	N/A
2. Other RECs	N/A

* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements), and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Eligible units	Registry	Surrender date	Accreditation code (LGCs)	Certificate serial number	Generation year	Quantity (MWh)	Fuel source	Location
Total LGCs surrendered this report and used in this report							N/A		

APPENDIX A: ADDITIONAL INFORMATION



Australian National Registry of Emissions Units

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Logged in as: Therese Sato / Industry User

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-1088
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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APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a location-based approach.

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.

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 & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	147	0	19%
Residual Electricity	630	676	0%
Total grid electricity	777	676	19%
Total Electricity Consumed (grid + non grid)	777	676	19%
Electricity renewables	147	0	
Residual Electricity	630	676	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO ₂ e)		676	

Total renewables (grid and non-grid)	18.93%
Mandatory	18.93%
Voluntary	0.00%
Behind the meter	0.00%

Residual Electricity Emission Footprint (tCO₂e)	1
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Figures may not sum due to rounding. Renewable percentage can be above 100%

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Emissions (kgCO ₂ e)
ACT	0	0
NSW	130	111
SA	0	0
Vic	368	372
Qld	0	0
NT	0	0
WA	279	190
Tas	0	0
Grid electricity (scope 2 and 3)	777	672
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (Behind the meter)	0	0
Total Electricity Consumed	777	672
Emission Footprint (tCO₂e)	1	

Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions (kgCO ₂ e)
N/A	0	0

Climate Active carbon neutral electricity is not considered renewable electricity. The emissions have been offset by another Climate Active carbon neutral product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following sources of emissions 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	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
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			

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.

Relevance test					
Non-attributable emission	<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>

N/A



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