

# PUBLIC DISCLOSURE STATEMENT

ALINTA ENERGY NATURAL GAS PRODUCT CERTIFICATION FY2022-23 (PROJECTED)

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 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.
	General Manager, Safety and Sustainability June 2022



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	286 tCO <sub>2</sub> e
THE OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	18.93%
TECHNICAL ASSESSMENT	21/02/2022 Michaela Hermanova Ndevr Environmental Next technical assessment due: FY24
THIRD PARTY VALIDATION	Initial reports only Type 3 Date: 19 <sup>th</sup> 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 natural gas product. The emissions reported here are for FY2021 and 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 natural gas 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 natural gas product as an optional opt-in offering. The functional unit is 1 gigajoule (GJ) of opt-in natural gas usage, with emissions expressed as tonnes of CO<sub>2</sub>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. The certification is cradle to grave and assumes combustion of natural gas 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		Outside emission boundary
<u>Quantified</u>	Non-quantified	Non-attributable
Natural Gas sold (including its sourcing, transmission, distribution and consumption)	N/A	N/A
Business travel (including accommodation and facilities, air transport, car hire, taxis & Ubers and food and drink)		
Cleaning services		
Computer and technical services		
Electricity		
Fleet Vehicles		
Food & Catering		
Legal services		
Mailing services: parcels, postal and courier		
Printing & stationery		
Telecommunications		
Staff commuting		
Waste and recycling		
Water usage		



## Product/service process diagram

The following diagram is cradle to grave.

Upstream emissions	Fuel production         • Emissions associated with natural gas extraction and product processing         Transmission & Distribution         • Emissions associated with the transmission and distribution of natural gas including fugitive losses         Alinta Energy	Excluded emission sources • Alinta Energy's corporate activities not related to the retail of natural gas.
Upstream emissions	<ul> <li>Transmission &amp; Distribution</li> <li>Emissions associated with the transmission and distribution of natural gas including fugitive losses</li> </ul>	natural gas.
emissions	<ul> <li>Transmission &amp; Distribution</li> <li>Emissions associated with the transmission and distribution of natural gas including fugitive losses</li> </ul>	
	Emissions associated with the transmission and distribution of natural gas including fugitive losses	
	Alinta Energy	
	Alinta Energy	
	Alinta Energy	
		retail activities
Production/Service delivery	<ul> <li>Business travel (including according travel) (including according travel) (including according travel) (including services)</li> <li>Cleaning services</li> <li>Computer and technical services</li> <li>Electricity</li> <li>Fleet Vehicles</li> <li>Food &amp; Catering</li> <li>Legal services</li> <li>Mailing services: parcels, postal</li> <li>Printing &amp; stationery</li> <li>Telecommunications</li> <li>Staff commuting</li> <li>Waste and recycling</li> <li>Water usage</li> </ul>	mmodation and facilities, air transport, and drink) s and courier
Downstream emissions	<ul><li>Distribution</li><li>Fugitive losses</li><li>Combustion of gas</li></ul>	



## 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
- Offset any residual Scope 1 and 2 emissions using credible<sup>1</sup> carbon offsets and/or renewable energy certificates<sup>2</sup>.

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 tCO<sub>2</sub>e/MWh (in FY18 base year)
  - To: 0.400 tCO<sub>2</sub>e/MWh (by FY25).
- **Scope 2 Target:** 100% of our residual Scope 2 emissions will be offset by voluntarily surrendering credible carbon offset and/or renewable energy certificates by FY25.

<sup>&</sup>lt;sup>2</sup> 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.



<sup>&</sup>lt;sup>1</sup> 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.

# 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 <sub>2</sub> e
Alinta Energy retail activities (relating to the sales for this natural gas product certification based on estimated, projected opt in volumes)	1
Combustion and transportation of natural gas by end user	285

No uplift factors were included in the emissions total.

Emissions intensity per functional unit	0.06 tCO2e/GJ
Number of functional units to be offset	Confidential
Total emissions to be offset	286 tCO2e



# 6.CARBON OFFSETS

## **Offsets strategy**

Off	set 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	286
3.	Net offset balance for this reporting period	286
4.	Total offsets to be forward purchased to offset the next reporting period	0
5.	Total offsets required for this report	286



## **Offsets summary**

Proof of cancellation of offset units

Offsets cancelled for	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 <sub>2</sub> 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	<u>3,781,268,025 –</u> <u>3,781,270,024</u>	2018-19	2,000	0	57	143	50%	
Lucas Heights 2 Landfill Gas Project, NSW	KACCUs	ANREU	2 May 2022	<u>3,803,123,387 –</u> <u>3,803,125,386</u>	2020-21	2,000	0	57	143	50%	
Total offsets retired th	is report and us	sed in this r	eport						286		
Total offsets retired the	is report and ba	anked for fu	ture reports					114			
Type of offset units			Q	uantity (used for this	reporting p	eriod claim	) Percen	tage of total			
Australian Carbon Cre	edit Units (ACC	CUs)	28	36			100				

Offsets have been retired for both of Alinta Energy's natural gas and electricity product certifications. This PDS outlines the retirement of 286 offset units for Alinta Energy's optin 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

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 to	his report and use	d in this report	N/A		



# APPENDIX A: ADDITIONAL INFORMATION

							_					Chang	je Passwor	d Con	tact Us	Log Out	Help
Australian Government Clean Energy Regulator	Aust Natio of Ei	tralia onal miss	an I Registry sions Uni	/ its													
ANREU Home Account Holders Accounts	Transactio	ction De	etails appear below.	•d									Logged in a	s: Therese	Sato / Indu	stry User	
Unit Position Summary	U Han	50000110	accession reprove														
Projects																	
Transaction Log	Transact	tion ID		AU22027													
CER Notifications	Current	Status		Complete	ed (4)												
Public Reports	Status D	ate		02/05/20	22 14:59:36	(AEST)											
My Profile				02/05/20:	22 04:59:36	(GMT)											
	Transact	Transaction Type Cancellation (4)															
	Transaction Initiator Sato, Therese Jane																
	Cammad	uon App	rover	Sato, The	rese Jane			Des La							Climate (	ative Reserve	
	Commer	nı		voluntary	surrender d	on benair of Alim	a che	argy Fity Li	.10 10	ints ener	rgy products ca	arbon neutrai	certification	is under the	e Climate A	Active Progra	arri.
	Transferri	ing Acco	ount						1	Acquiri	ng Account						
	Account Number	t	AU-1410							Accou Numbe	nt Al	J-1068					
	Account	t Name	ALINTA ENERGY	CEA PTY LI	EA PTY LTD Acc					Account Name Australia Voluntary Cancellation							
	Account	t Holder	ALINTA ENERGY	CEA PTY LI	ГD			Account									
										Accou	nt Holder Co	ommonwealth	of Australia	3			
	Transacti	on Block	ks														
	<u>Party</u>	<u>Type</u>	Transaction Type	Original CP	Current CP	ERF Project ID	NGE Faci ID	R lity	NGI Fac Nar	ER ility ne	Safeguard	Kyoto Project #	<u>Vintage</u>	<u>Expiry</u> Date	<u>Serial R</u>	<u>lange</u>	<u>Quantity</u>
	AU	KACCU	Voluntary ACCU			EOP100105							2020-21		3,803,11	23,387 -	2,000
	AU	KACCU	Voluntary ACCU			EOP100098							2018-19		3,781,26	58,025 - 70.024	2,000
	Transacti	on Statu	s History												3,701,21	10,024	
	Status D	ate						Status (	Cod	e							
	02/05/20	22 14:59	36 (AEST)					Complete	ed (	4)							
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	02/05/20 02/05/20	22 14:57	7:56 (AEST) 7:56 (GMT)					Awaiting	, Aco	ount Hold	der Approval (9	5)					
Accessibility Disclaimer	Privacy																



# APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-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	Activity Data (kWh)	Emissions (kgCO₂e)	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)	35	0	19%
Residual Electricity	151	162	0%
Total grid electricity	187	162	19%
Total Electricity Consumed (grid + non grid)	187	162	19%
Electricity renewables	35	0	
Residual Electricity	151	162	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO <sub>2</sub> e)		162	

#### Market Based Approach Summary

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



Figures may not sum due to rounding. Renewable percentage can be above 100%

Location Based Approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> e)
ACT	0	0
NSW	32	27
SA	0	0
Vic	85	86
Qld	0	0
NT	0	0
WA	70	48
Tas	0	0
Grid electricity (scope 2 and 3)	187	160
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	187	160
Emission Footprint (tCO <sub>2</sub> e)	0	

#### Location Based Approach Summary

#### Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions (kgCO <sub>2</sub> 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 <u>one</u> of the following reasons:

- 1. Immaterial <1% for individual items and no more than 5% collectively
- 2. <u>Cost effective</u> Quantification is not cost effective relative to the size of the emission but uplift applied.
- 3. <u>Data unavailable</u> 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	The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions	The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.	Key stakeholders deem the emissions from a particular source are relevant.	The responsible entity has the potential to influence the reduction of emissions from a particular source.	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.

N/A







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