



PUBLIC DISCLOSURE STATEMENT

BETACARBON PTY LTD

ORGANISATION/PRECINCT CERTIFICATION
FY2021-22

Australian Government
Climate Active
Public Disclosure Statement

BETACARBON™ 


An Australian Government Initiative



NAME OF CERTIFIED ENTITY	BetaCarbon Pty Ltd
REPORTING PERIOD	Financial year 1 July 2021 – 30 June 2022 Arrears report
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><i>Guy Dickinson</i></p> <p>Guy Dickinson CEO 13/10/2022</p>



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

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Version March 2022. To be used for FY20/21/CY2021 reporting onwards.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	142.95 t CO ₂ -e
OFFSETS BOUGHT	147
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	Date: 13/10/2022 Guy Dickinson BetaCarbon Pty Ltd
THIRD PARTY VALIDATION	Type 1/2/3 Date Name Organisation

Commented [AS1]: To be completed once offsets purchased and surrendered.

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2. CARBON NEUTRAL INFORMATION

Description of certification

This certification covers the Australian business operations of BetaCarbon Pty Ltd, ABN 26 649 985 759.

Organisation description

BetaCarbon's long-term objective is to trigger more carbon sequestration and removal and drive up the cost to emit CO₂ to incentivise economy-wide emissions reduction.

We are achieving this by offering a way for investors and consumers to participate in the Australian carbon market. To do this, we have created an ERC-20 token (BCAU) representing 1 kg of carbon removed from the atmosphere by verified and monitored carbon projects.

These tokens can be bought and traded as an investment or accumulated and kept to balance emissions. Purchasing BetaCarbon tokens increases the demand for carbon credits, incentivising new carbon projects and making emissions more expensive.

BetaCarbon also offers a retirement solution that enables businesses to offset residual emissions and achieve carbon neutrality commitments using verified credits.

BetaCarbon is also developing a reward/loyalty solution that allows retailers to offer carbon neutral products, with consumers choosing from a selection of carbon projects to offset against.

The organisational boundary includes the grouping ties and facilities in which BetaCarbon exercises operational control. This includes the office at Level 1, 11 Gumtree Lane, Double Bay 2028 NSW. Operational control is determined in accordance with the National Greenhouse and Energy Reporting Act 2007 and supporting legislation and documentation.

The reporting boundary includes all direct GHG emissions reported from within the organisational boundary, as well as those indirect GHG emissions that are a consequence of Elysium Digital's operations and activities and are deemed relevant by the Climate Active initiative administrator.

This GHG statement considers and quantifies carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) emissions, measured in tonnes of CO₂-e. We are not aware of any significant hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF₆), or nitrogen trifluoride (NF₃) emission sources within the reporting boundary.

BetaCarbon acknowledges the adverse impacts that human activity can impose on the environment. Joining Climate Active and going carbon neutral is our effort to prevent degradation of these natural systems and reduce our own impact on the planet.

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 relevant and are quantified in the carbon inventory. This may include emissions not identified as arising due to the operations of the certified entity, however, are **optionally included**.

Non-quantified emissions have been assessed as relevant 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

Excluded emissions are those that have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

Inside emissions boundary

Quantified

Electricity
Food
ICT services & equipment
Office equipment & supplies
Professional services
Transactions on blockchain
Transport (air)
Transport (land)
Waste to landfill
Working from home

Non-quantified

Base building
Cleaning & chemicals
Postage, courier, & freight
Refrigerants
Water

Outside emission boundary

Excluded

No relevant emission sources have been excluded.

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

BetaCarbon respects our relationship with the natural environment and its ecosystems. We acknowledge the adverse impacts that human activity can impose and take actions to prevent degradation of those natural systems. To demonstrate our commitment to sustainable practices, BetaCarbon became a signatory to the [Climate Pledge](#) in early 2022.

Accordingly, BetaCarbon commits to the following principles and practices:

- Monitoring and managing our environmental performance and working towards targets set to reduce adverse impacts.
- Complying with relevant Australian Commonwealth, State and Local environmental policy, practices, regulations and legislation, and industry-specific legislation.
- Reducing the consumption of natural resources in daily operations, including water, paper and energy.
- Maximising the recycling of resources.
- Disposing of waste appropriately, including e-waste at designated e-waste centres.
- Committing to the principles of preventing pollution to the environment and continual improvement.
- Minimising pollution, taking steps to limit carbon emissions resulting from vehicle and air travel.
- Where possible, encouraging suppliers to meet high standards of environmental performance.
- Communicating this policy to all employees, contractors and other stakeholders, as well as making this policy available to the general public.
- Reporting on the company's environmental performance in both internal and external communications, where relevant.
- Reviewing this policy annually and measuring targets and performance as part of that review.

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5.EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

Powershop carbon neutral electricity.

Organisation emissions summary

The electricity summary is available in the Appendix B. Electricity emissions were calculated using a location/market-based approach.

Emission category	Sum of total emissions (t CO ₂ -e)
Bespoke	12.35
Electricity	0.00
Food	1.12
ICT services and equipment	20.37
Professional Services	95.16
Refrigerants	0.00
Roads and landscape	0.00
Stationary Energy (gaseous fuels)	0.00
Stationary Energy (liquid fuels)	0.00
Stationary Energy (solid fuels)	0.00
Transactions on blockchain	11.27
Transport (Air)	8.67
Transport (Land and Sea)	1.09
Waste	3.29
Working from home	1.08
Total	142.95

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	t CO ₂ -e
Base building	1.00
Cleaning & chemicals	0.50
Postage, courier, & freight	0.50
Refrigerants	1.00
Water	0.50
Total of all uplift factors	3.50
Total footprint to offset <i>(total net emissions from summary table + total uplifts)</i>	146.45

Commented [AS2]: These are a best guesstimate and based on my experience with similar organisations. Please feel free to "add" if you wish.

6. CARBON OFFSETS

Offsets retirement approach

In arrears	
1. Total emissions footprint to offset for this report	146.45 t CO ₂ -e
2. Total eligible offsets purchased and retired for this report	147
3. Total eligible offsets banked to use toward next year's report	0

Commented [AS3]: This depends on how many offsets you surrender. If more than needed, you can bank them for next time.

Co-benefits

- Tipperary Group Of Stations Savanna Burning Project.
 - o This project involves the strategic burning of Savanna Areas to reduce the risk of late dry season wildfires.
 - o The project creates employment opportunities in a remote area.
- Moombidary Forest Regeneration Project:
 - o This project provides another pathway for the Kullilli and Budjiti peoples to be part of the solution to climate change while building a more sustainable future and gaining real economic benefits for their communities.
 - o The carbon farming project has helped the traditional owners to regain access and connection to their traditional country, and being providing options to return to cultural management practices.
 - o The surveying and mapping of cultural sites is also facilitated by the project. The location of such sites will be recorded in order to protect them and help manage traditional owner knowledge.
 - o The project also offers local employment opportunities.

Eligible offsets retirement summary

Commented [AS4]: To be completed once offsets purchased and surrendered.

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	Stapled quantity	Eligible quantity (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 (%)
Tipperary Group of Stations Savannah Burning Project – EOP100228	KACCU	ANREU	16/02/2022	8,335,267,985 – 8,335,268,034	2021-22	50	50	0	0	50	34%
Moombidary Forest Regeneration Project - ERF101548	KACCU	ANREU	12/10/2022	8,343,058,182 – 8,343,058,231	2021-22	50	50	0	0	50	34%
Moolakar Human Induced Regeneration Project - ERF101278	KACCU	ANREU	12/10/2022	8,336,240,916 – 8,336,240,962	2021-22	47	47	0	0	47	32%
Total offsets retired this report and used in this report										147	
Total offsets retired this report and banked for future reports										147	
Type of offset units		Quantity (used for this reporting period claim)				Percentage of total					
Australian Carbon Credit Units (ACCUs)		147				100%					

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

Not applicable.

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

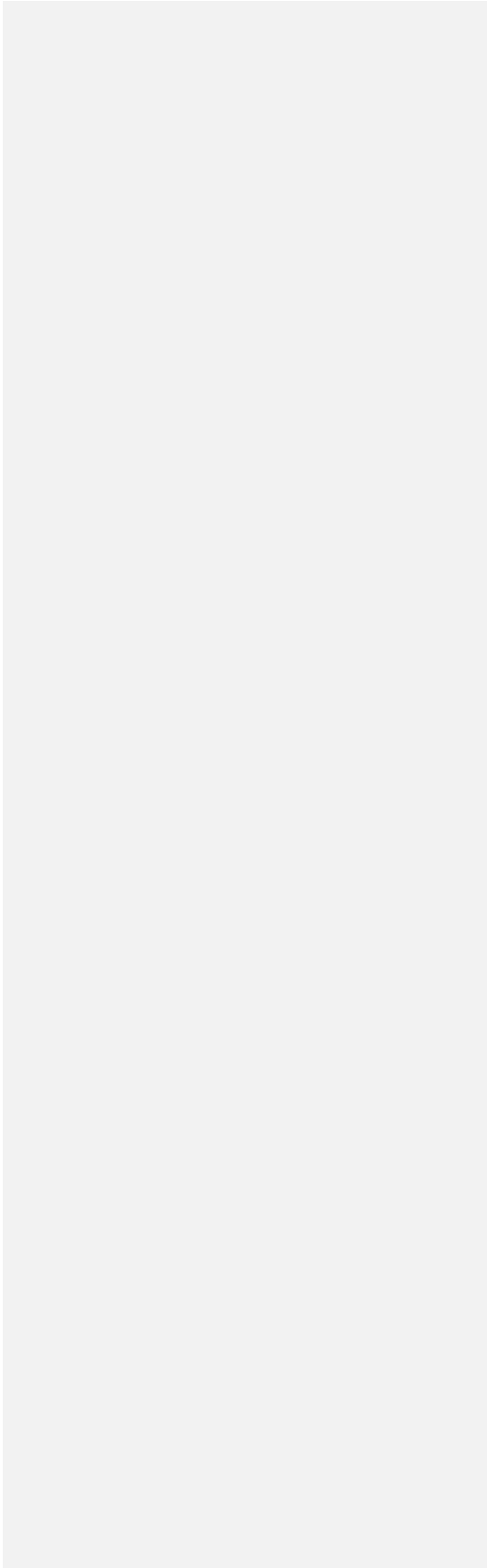
1. Large-scale Generation certificates (LGCs)*	
2. Other RECs	

* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements) and do 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									

APPENDIX A: ADDITIONAL INFORMATION

N/A



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 (kg CO 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)	1,131	0	19%
Residual Electricity	4,952	4,927	0%
Total grid electricity	6,083	4,927	19%
Total Electricity Consumed (grid + non grid)	6,083	4,927	19%
Electricity renewables	1,131	0	
Residual Electricity	4,952	4,927	
Exported on-site generated electricity	0	0	
Emissions (kg CO ₂ -e)		4,927	
Total renewables (grid and non-grid)	18.59%		
Mandatory	18.59%		
Voluntary	0.00%		
Behind the meter	0.00%		
Residual Electricity Emission Footprint (t CO₂-e)	5		

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

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
NSW	6,083	4,745	426
Grid electricity (scope 2 and 3)	6,083	4,745	426
NSW	0	0	0
Non-grid electricity (Behind the meter)	0	0	0
Total Electricity Consumed	6,083	4,745	426
Emission Footprint (t CO₂-e)	5		
Scope 2 Emissions (t CO ₂ -e)	5		
Scope 3 Emissions (t CO ₂ -e)	0		

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kg CO ₂ -e)
Powershop carbon neutral electricity	6,547	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following sources emissions have been assessed as relevant, 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 (but uplift applied)	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
Base building	Yes	No	No	No
Cleaning & chemicals	Yes	No	No	No
Postage, courier, & freight	Yes	No	No	No
Refrigerants	Yes	No	No	No
Water	Yes	No	No	No

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.

- 4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
- 5. **Outsourcing** 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.

No relevant emission sources have been excluded.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Not applicable						



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