



PUBLIC DISCLOSURE STATEMENT

KINGLAKE DISTILLERY PTY LTD

**PRODUCT CERTIFICATION
FY 2021-2022**

Australian Government

Climate Active Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Kinglake Distillery Pty Ltd
REPORTING PERIOD	Financial year 1 July 2021 – 30 June 2022
DECLARATION	<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>



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	23.13 tCO ₂ -e
THE OFFSETS BOUGHT	100% VCU's
RENEWABLE ELECTRICITY	100%
TECHNICAL ASSESSMENT	Name: Sarah Colquhoun Company name: Pangolin Associates Next technical assessment due: FY2024

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2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year 1 July 2021 to 30 June 2022 and covers all whiskey produced by Kinglake Distillery Pty Ltd, ABN 94 617 507 365.

Last year certification covered three years, FY2019 – FY2021, due to the time it takes to make whiskey. This year, the certification only assesses the whiskey produced and Kinglake Distillery's operations during FY2022.

Emissions associated with the operations of the organisation (parent certification) are covered in this PDS and in the organisation PDS, found [here](#).

“Kinglake Distillery believes it is the responsibility of every company to do as much as they can to limit the effects of climate change.”

Product description

Kinglake Distillery is a small family-owned producer of handmade Australian Single Malt.

The functional unit for the carbon neutral certification is one litre of whiskey produced (tCO₂-e/l of whiskey produced). The certification covers the emissions from the cradle to the grave.

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

Organisation Quantified

Telecommunications

Postage

Paper

Transport fuels

Electricity (Solar)

Product Quantified

Barley

Yeast

Water

Barrels

Bottles

Cork

Labels

Wax Seals

*Plastic & Cardboard
Packaging*

Freight

Stationary Fuels

Waste & Recycling

Non-quantified

N/A

Optionally included

N/A

Outside emission boundary

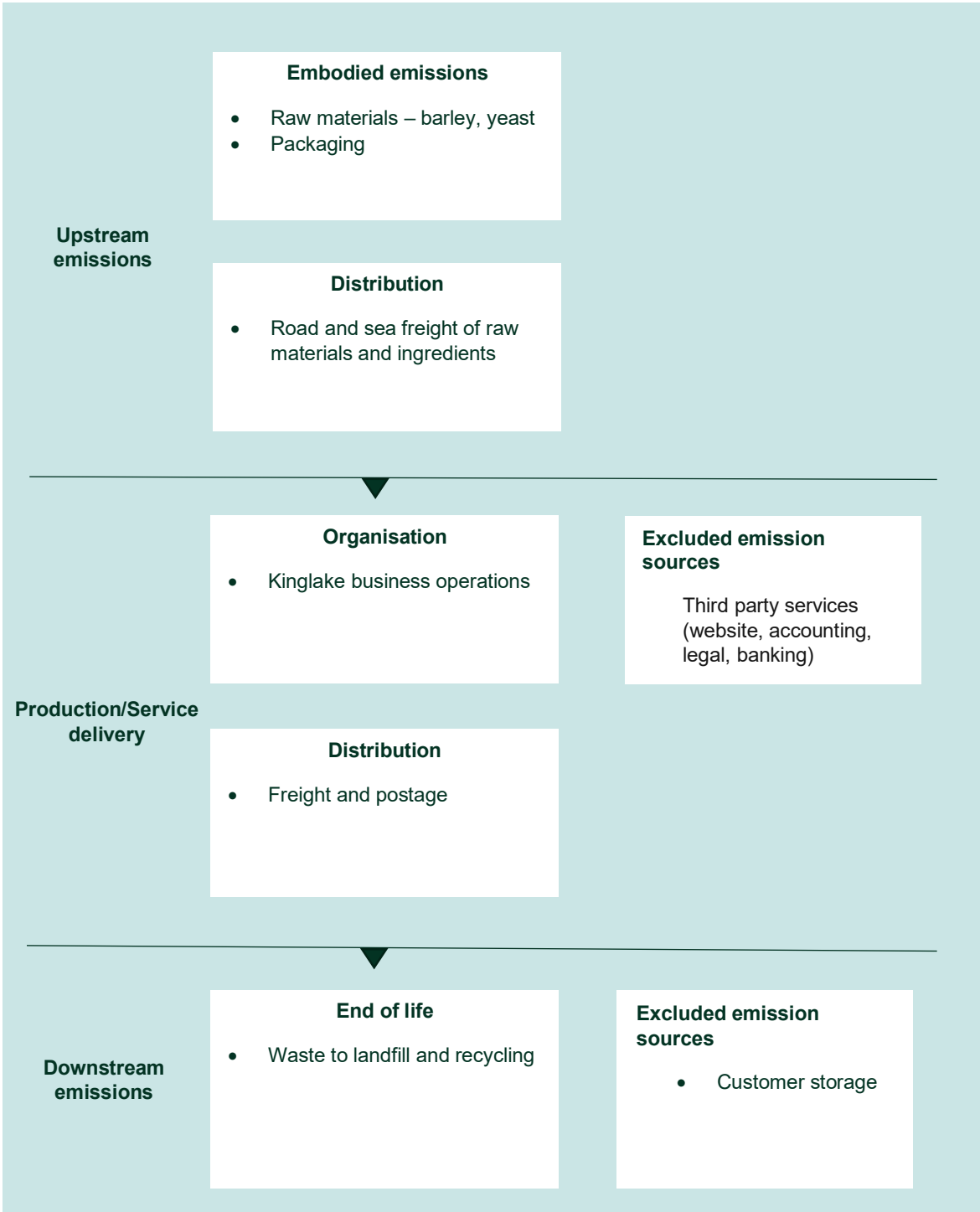
Non-attributable

Customer storage

Third party services
(website, accounting,
legal, banking)

Product 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

Kinglake Distillery is aiming to reduce its stationary diesel fuel usage per litre of whisky produced by 75% over the next 5 years, by decreasing it by 15% per year. This will be done by reducing the reliance on the diesel generator by producing in the summer months and relying more on our solar system.

Kinglake Distillery is working on a more defined emissions reduction target for FY2023, which will consider the following reduction actions:

- Reduce the consumption of LPG by the boiler by changing the operating procedures (switch off time) and running more processes at once to optimise the boiler operation hours.
- Collaborate with barley producers in Australia to locally produce the barley type currently purchased overseas.
- Procure recycled glass bottles made in Australia.

Emissions reduction actions

During FY2022, Kinglake Distillery applied the following emissions reduction actions:

- Trialing the use of recycled cardboard for Direct to Customer packaging rather than using airbags.
- Reducing overall packaging requirements by using stencil and paint on cartons instead of stickers
- Planning for re-organisation of electrical system to reduce stationary fuel consumption (Diesel Usage)
- Turning off Steam-boiler earlier during distillation when possible, to reduce gas usage.
- Using Australia Post carbon neutral postage services to send our parcels in Australia and overseas.

Kinglake Distillery is also running on solar energy and is only using rainwater to produce its spirits.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e	Emissions intensity of the functional unit
Year 1-3	2018–21	75.62	0.004
Year 2:	2021–22	23.13	0.005

Significant changes in emissions

Comparison with previous year submission is not representative. Last year submission included the emissions for the 3 first year of making whiskey. This year's submission only includes FY2022 emissions for the whiskey made during this one-year period.

Use of Climate Active carbon neutral products and services

This assessment and Climate Active submission was prepared with the assistance of Pangolin Associates and these services are also carbon neutral. Kinglake also uses the carbon neutral postage services proposed by Australia Post.

Product emissions summary

Stage	tCO ₂ -e
Climate Active Carbon Neutral Products and Services	0.00
Electricity	0.00
ICT services and equipment	0.11
Office equipment & supplies	0.005
Postage, courier and freight	3.99
Stationary Energy (liquid fuels)	12.13
Transport (Land and Sea)	0.53
Waste	0.34
Whiskey Product	6.03

Emissions intensity per functional unit	0.005
Number of functional units to be offset	4,320
Total emissions to be offset	23.23

6. CARBON OFFSETS

Offsets retirement approach

The details of offsets relating to this certification are the same as those found in the Kinglake Distillery Organisation PDS, found [here](#).

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 (kgCO ₂ e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	356	0	100%
Total non-grid electricity	356	0	100%
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)	0	0	0%
Residual Electricity	0	0	0%
Total grid electricity	0	0	0%
Total Electricity Consumed (grid + non grid)	356	0	100%
Electricity renewables	356	0	
Residual Electricity	0	0	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		0	

Total renewables (grid and non-grid)	100.00%
Mandatory	0.00%
Voluntary	0.00%
Behind the meter	100.00%
Residual Electricity Emission Footprint (TCO₂e)	0

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)
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
Grid electricity (scope 2 and 3)	0	0	0
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	356	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	356	0	0
Total Electricity Consumed	356	0	0
Emission Footprint (TCO2e)	0		
<i>Scope 2 Emissions (TCO2e)</i>	0		
<i>Scope 3 Emissions (TCO2e)</i>	0		

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
None	0	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

There are no non-quantified sources to report in this certification.

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>
Third party services (website, accounting, legal, banking)	No	No	No	No	No
Customer bottle storage	No	No	No	No	No



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