PUBLIC DISCLOSURE STATEMENT

VIVA ENERGY GROUP LIMITED, TRADING AS VIVA ENERGY AUSTRALIA.

MARINE FUELS

PRODUCT CERTIFICATION

FY2022–2023 (PROJECTED)

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Viva Energy Group Limited, (trading as Viva Energy Australia).
REPORTING PERIOD	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.* 
	Name of signatory: Lachlan Pfeiffer Position of signatory: Director, Viva Energy Australia Pty Ltd Date: 5 December 2022

Australian Government
Department of Industry, Science, Energy and Resources

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

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	9,044 t CO_2-e
THE OFFSETS BOUGHT	90% VCUs, 10% ACCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	17/12/2021 Michaela Morris Ndevr Environmental Next technical assessment due: 2024-25
THIRD PARTY VALIDATION	Type 3 13/6/2022 Tim Grant Life Cycles

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2. CARBON NEUTRAL INFORMATION

Description of certification

Viva Energy is a market leading supplier of marine fuels with a nationwide network of refueling locations, and major clients, including the Australian Government. Acknowledging that the production, transportation and use of marine fuels are a contributing source of emissions, Viva Energy is exploring avenues to reduce the emissions associated with their marine fuel products, and support customers in achieving their emissions reduction ambitions.

As part of its product certification, Viva Energy has undertaken a cradle to grave analysis on its marine fuels to capture and quantify emissions associated with every step of the supply chain that generates greenhouse gas (GHG) emissions. The analysis includes the breadth of the supply chain covering (but not limited to) the emissions associated with resource exploration, extraction, transport, and processing as well as distribution and eventual combustion of marine fuel.

This product certification relates to a selected part of Viva Energy's marine fuel portfolio, which includes Marine Gas Oil, Very Low Sulfur Fuel Oil and High Sulfur Fuel Oil. These three products will be marketed as 'carbon neutral' as an opt in program for marine customers.

"Our customers are also focussed on their energy efficiency and emissions reduction, and our products contribute to their footprint. Our goal is to provide commercial solutions and expertise to help them achieve emissions reduction outcomes. For many of our customers this is a journey, and we act as their trusted fuel partner in continuing to support their business.

The emissions functional unit for the purposes of this document is "kg carbon dioxide equivalent per litre (kg CO_2-e/L) of marine fuel".

Organisation description

Viva Energy Group Limited (trading as Viva Energy Australia) is a leading energy company with more than 120 years of operations in Australia and supplies approximately a quarter of the country's liquid fuel requirements. Viva Energy is the exclusive supplier of Shell fuels and lubricants in Australia through an extensive network of more than 1,330 service stations across the country. The company's nationwide supply chain capability is supported internationally by our trading partner Vitol, one of the world's largest independent trading companies.

Viva Energy owns and operates the strategically located Geelong Refinery in Victoria, and operates bulk fuels, aviation, bitumen, marine, chemicals, polymers and lubricants businesses supported by more than 20 terminals across the country. Viva Energy supplies Marine grade fuels (both Distillate and Heavy Residual Fuel grades) to both Retail and large Commercial customers at all major Port locations nationally.

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.

The emission sources in the boundary diagram below are as per the emissions categories in the emission summary table (in section 4).

Inside emissions boundary

Quantified

Advertising

Business travel - accommodation

Business travel - flights

Business travel - vehicles taxis, car shares

Cleaning

Clothing

Downstream distribution

Electricity - purchased from grid

Employee commute

Food and catering

Freight

Fuel processing/refining

IT hardware

Office consumables

Plant & equipment

Postage

Printing & stationery

Professional services

Raw material distribution

Raw material exploration

Raw material extraction

Repairs & maintenance

Telecommunications

Waste

Water

Non-quantified

N/A

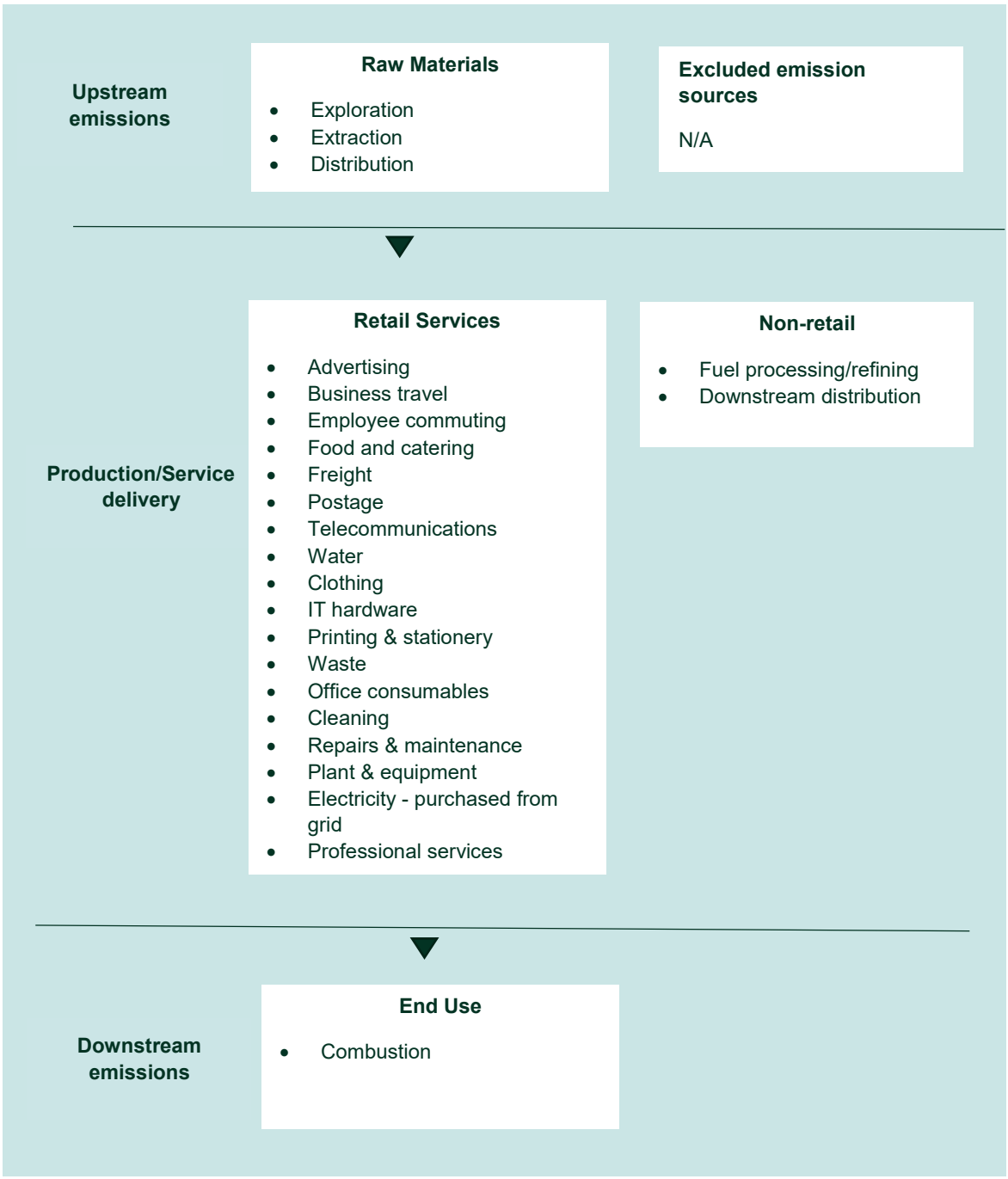
Optionally included

N/A

Outside emission boundary

Non-attributable

Product process diagram



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

On 24 November 2021, Viva Energy Group Limited (The Company) announced its commitment to reduce GHG emissions at its operations, across the medium and long term, in relation to the Company's scope 1 and 2 emissions. The key targets of the Company are to:

1. Achieve net zero Scope 1 and 2 emissions across Retail, Fuels, Marketing, Supply and Distribution operations (all non-refining parts of the business) by 2030;
2. Achieve a 10% reduction in emissions intensity of the refining operations by 2030; and
3. Achieve net zero Scope 1 and 2 emissions across all operations by 2050.

Non-refining operations:

Over the medium term, the company is targeting net zero Scope 1 and 2 emissions across all non-refining parts of the business by 2030. The plan to achieve these goals is underpinned by:

- Improving energy efficiency through operational energy and resource optimisation;
- Implementing and investing in new assets and processes to improve energy efficiency at operational sites;
- Track and transparently report progress against our emissions reduction targets;
- Source renewable electricity for operations through investment in renewable projects, directly purchasing renewable electricity or acquiring LGCs from renewable generation projects; and
- Offsetting residual emissions by investing in carbon off-set projects and purchasing off-sets sourced from certified and credible offset schemes.

Refining operations:

The Company has set a target of 10% reduction in emissions intensity for the Geelong refinery by 2030. This will be achieved through a combination of energy efficiency projects and operational optimisation initiatives. Examples of initiatives include:

- Implement an ISO50001 Energy Management System at Geelong Refinery.
- Commenced an energy efficiency project feasibility as part of the Ultra-Low Sulphur Gasoline upgrade project.
- Progress development (subject to approvals) of a behind-the-meter Solar Farm on Geelong Refinery land.

The Refinery is an energy intensive, and trade exposed (EITE) facility. Compliance with ultra-low Sulphur petrol specifications will add processing units and further increase energy use and emissions at the refinery. However, it will in turn provide economy wide vehicle emission, air quality and health benefits. The most impactful contribution to emissions reduction the Refinery can make over time will be producing lower carbon intensive products for the market and allowing our customers to reduce their overall

emissions. An example of this is via the New Energies Service Station at Geelong – which is expected to be Australia's first publicly accessible, commercially sized hydrogen refueling station for heavy road transport alongside EV charging capabilities.

Long term 2050 Group ambition

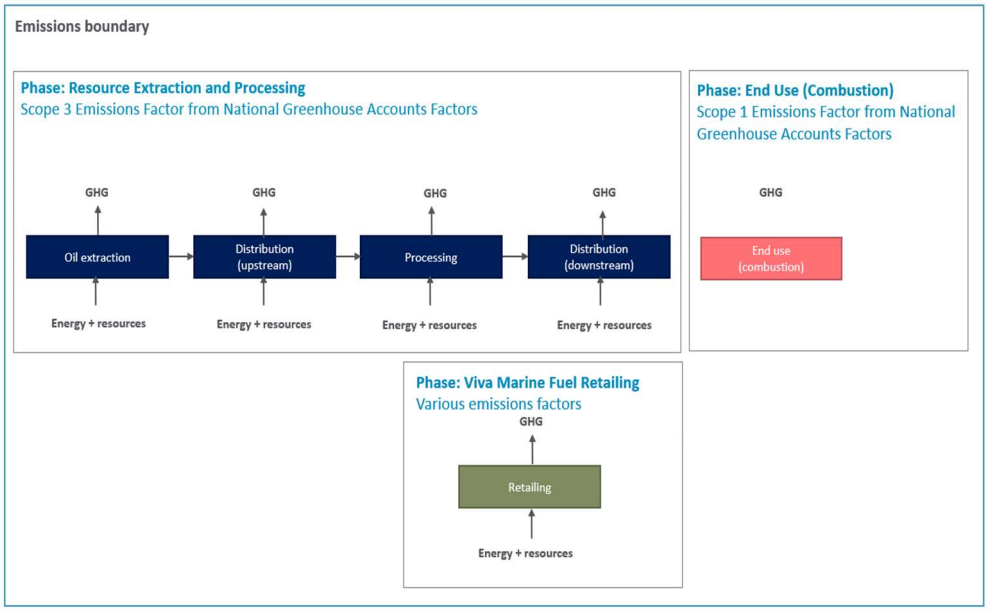
Over the longer term, the Company announced an ambition to achieve Net Zero Scope 1 and 2 emissions across all operations by 2050. Refining's role in the energy market will adapt over time and we expect this will mean repurposing the refinery and its processing capability by 2050. Our aim is to balance our role in supporting Australia's energy security, with our desire to progress the facility to net zero by 2050.

5.EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

No carbon neutral products were used in the manufacturing process.

Product/Service emissions summary



The Marine product inventory covers three main fuels; Marine Gas Oil (MGO), Very Low Sulphur Fuel Oil (VLSFO) and High Sulphur Fuel Oil (HSFO). Included are the emissions associated with resource extraction, upstream distribution and refining, the combustion related emissions, and emissions associated with Viva Energy marine fuel retailing activities.

Stage	t CO_2-e
Raw materials, distribution, and production/processing	99,593.4
Combustion of sold products	1,992,086.7
Flights	21.6
Other retailing activities	1,715.1
Electricity	660.9
Employee commuting	31.4

Emissions intensity per functional unit	Confidential
Number of functional units to be offset	Confidential
Total emissions to be offset	9,044 t CO_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	9,044
3.	Net offset balance for this reporting period	9,044
4.	Total offsets to be forward purchased to offset the next reporting period	0
5.	Total offsets required for this report	9,044

Co-benefits

Viva sources credible and high integrity offsets from both the domestic and international markets. ACCUs retired for this reporting period come from a Human Induced Regeneration (HIR) project named Byrock Station Regrowth project in the Brewarrina local government area in regional NSW.

The project establishes permanent native forests through assisted regeneration from in-situ seed sources (including rootstock and lignotubers) on land that was cleared of vegetation and where regrowth was suppressed for at least 10 years prior to the project having commenced.

Additional to sequestering carbon, co-benefits of this project include environmental benefits (e.g., improved agricultural productivity, soil health and water quality resulting in enhanced ecosystem services to support native vegetation and fauna, help protect native plant and animal species and reduced wind and water erosion), and social benefits (e.g., reinvestment into local economies and communities and creating local jobs).

For more details about the project please see the ERF page for Project ID EOP101115.

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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 (%)**
Southern Cardamom REDD++ Project, Agriculture Forestry and Other Land Use, Cambodia	VCU	Verra	28 Feb 2022	6830-351418143-351425142-VCU-006-MER-KH-14-1748-01012016-31122016-1	2016	7000	0	0	7000	77%
Sustainable City Projects, Waste handling and disposal, India	VCU	Verra	28 Feb 2022	9178-73096684-73103683-VCS-VCU-997-VER-IN-13-1941-01012018-31122018-0	2018	7000	0	0	1138	13%
Byrock Station Regrowth Project, New South Wales	KACCU	ANREU	2 Aug 2022	3,775,761,901 – 3,775,762,806	2018-19	906	0	0	906	10%
Total offsets retired this report and used in this report									9,044	
Total offsets retired this report and banked for future reports								0		

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Australian Carbon Credit Units (ACCUs)	906	10%
Verified Carbon Units (VCUs)	8138	90%

* Offsets from the Sustainable City Projects at India's Cleanest City – Indore, have been used across multiple Viva Energy Certifications.

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)*	0
2. Other RECs	0

* 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			0		

APPENDIX A: ADDITIONAL INFORMATION

Proof of ACCU cancellation

Transaction Successfully Approved

Transaction ID	AU23257
Current Status	Completed (4)
Status Date	02/08/2022 07:46:34 (AEST) 01/08/2022 21:46:34 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Gillett, Brendan Lawrence
Transaction Approver	Van Zyl, Benjamin John
Comment	Product Allocation - Marine Voluntarily surrendered on behalf of Viva Energy for use towards its suite of carbon neutral products certified under the Climate Active framework

Transferring Account

Account Number	AU-2491
Account Name	Viva Energy Australia Ltd
Account Holder	Viva Energy Australia 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			EOP101115					2018-19		3,775,761,901 - 3,775,762,806	906

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a location-based method.

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 Summary

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)	146,440	0	19%
Residual Electricity	641,297	638,067	0%
Total grid electricity	**787,737**	**638,067**	**19%**
Total Electricity Consumed (grid + non grid)	**787,737**	**638,067**	**19%**
Electricity renewables	146,440	0	
Residual Electricity	641,297	638,067	
Exported on-site generated electricity	**0**	**0**	

Total renewables (grid and non-grid)	**18.59%**
Mandatory	**18.59%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual Electricity Emission Footprint (TCO2e)	**638**

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	697,816	544,296	48,847
SA	4,122	1,237	289
Vic	49	45	5
Qld	32,901	26,321	3,948
NT	0	0	0
WA	52,807	35,381	528
Tas	42	6	1
Grid electricity (scope 2 and 3)	**787,737**	**607,285**	**53,618**
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
Non-grid electricity (Behind the meter)	**0**	**0**	**0**
Total Electricity Consumed	**787,737**	**607,285**	**53,618**

Emission Footprint (TCO2e)	**661**
Scope 2 Emissions (TCO2e)	607
Scope 3 Emissions (TCO2e)	54

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

N/A

Excluded emission sources

N/A

APPENDIX D: OUTSIDE EMISSION BOUNDARY

N/A

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