PUBLIC DISCLOSURE STATEMENT

OVO ENERGY

PRODUCT CERTIFICATION
CY2021

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	OVO Energy Pty Ltd
REPORTING PERIOD	1 January 2021 – 31 December 2021 Arrears report
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.*  Mark Yemm CEO & MD 17/10/2022

Australian Government
Department of Industry, Science, Energy and Resources

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

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	21,897 tCO2-e
THE OFFSETS BOUGHT	95.41% CERs, 4.59% VCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	15 June 2020 Juliana Bedggood Ndevr Environmental Next technical assessment due: CY2023 report

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

This PDS relates specifically to OVO Energy's electricity 'Product' that is created by OVO Energy when it buys electricity from the National Electricity Market (NEM) and on-sells that electricity to its retail customers under the OVO Energy brand.

It is this Product which is accredited under the Climate Active Carbon Neutral Program. Further information about OVO Energy can be found at www.ovoenergy.com.au.

"Climate change affects us all – regardless of where we live, what we do for a living or what we believe. Working with Climate Active we want to help deliver a carbon zero future for Australian energy consumers"

Product description

This assessment is based on the total electricity sold to OVO Energy customers for the period. The life cycle assessment approach is cradle to grave, considering all elements of the supply chain, as itemised in the emissions boundary diagram below.

The functional unit is 1 kWh of electricity provided to the end consumer. OVO Energy's carbon neutral electricity is a full coverage product; a customer is not required to opt-in to receive it.

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.

Inside emissions boundary

Quantified

Electricity purchased from the NEM

OVO Energy retail operations including:

- *Electricity use*
- *Travel*
- *Staff commuting*
- *Refrigeration*
- *Waste*
  - *Food*
  - *Recycling*
- *Paper use & printing*

Non-quantified

N/A

Optionally included

N/A

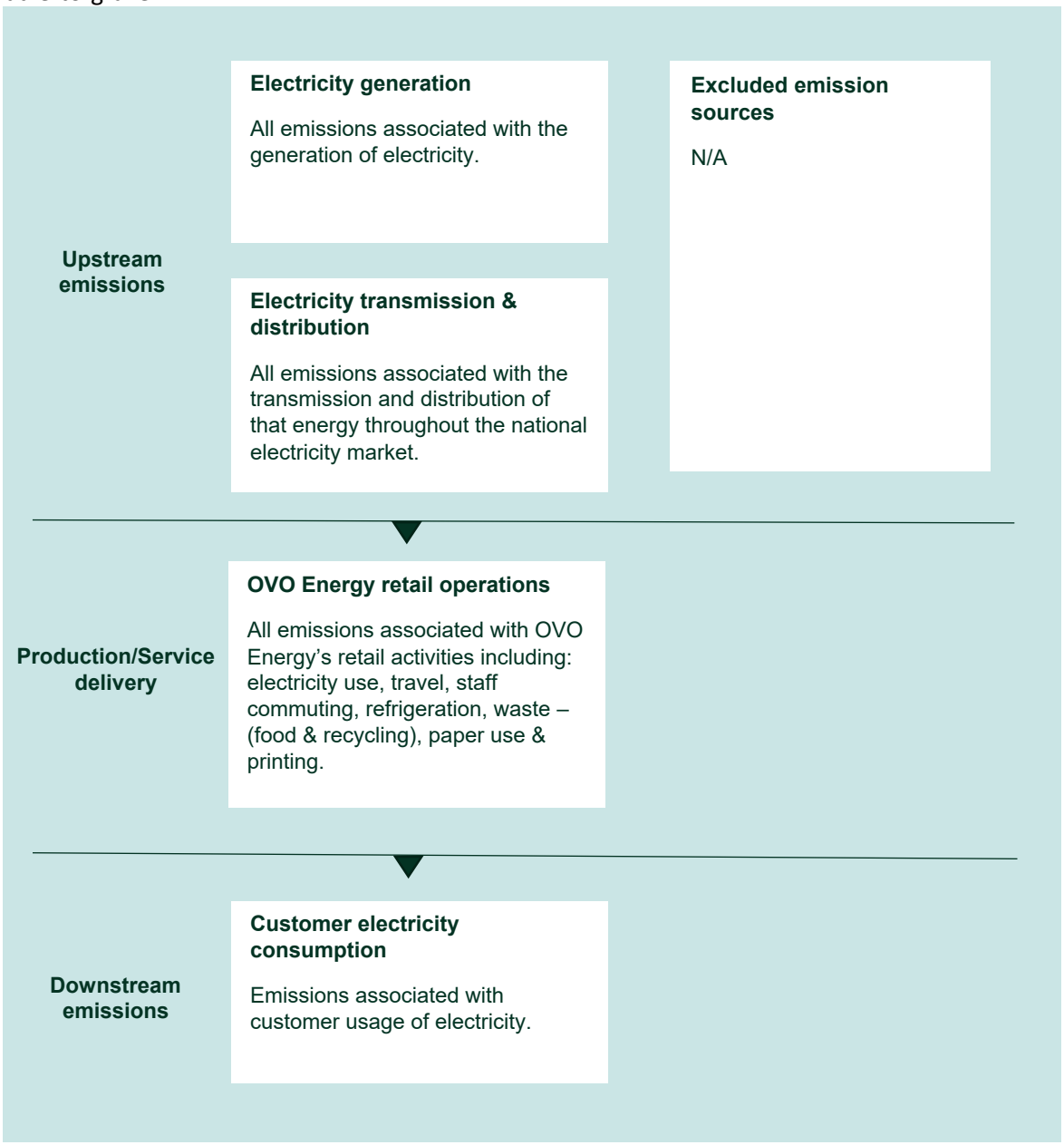
Outside emission boundary

Non-attributable

N/A

Product process diagram

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

We are constantly looking for ways to optimise and reduce energy consumption as a business, and find innovative ways to help our customers reduce their emissions. Several schemes and initiatives that we've launched throughout 2020 and 2021 include:

- Throughout the reporting period we provided 10% GreenPower as standard to all of our customers, and actively promoted our 100% GreenPower product;
- We provided an online portal (MyOVO) free of charge to all customers to allow them to easily track their electricity usage & carbon footprint for electricity, and to make informed decisions in order to reduce their electricity consumption;
- We offered other electricity retail adjacent devices and services (e.g. solar panels, batteries, EVs etc.) to help customers reduce their own electricity demand and to generate their own electricity;
- We offered higher than average feed in tariffs for solar customers in order to provide further incentive to generate more and help provide more renewable energy back into the grid;
- We provided a dedicated electricity plan for electric vehicle owners, which gave them a discounted rate for charging their electric vehicle between midnight and 5am; and,
- We actively encourage all personnel to be aware of their actions, and wherever possible orappropriate curb their emissions.

As a growing business, it can be hard to actively address carbon emissions for our customer base. This period for example, has seen us grow dramatically as a business, and naturally our emissions have followed suit. We are now working hard to better understand emissions at a customer level; quantifying a suitable average emission per customer, so that we can appropriately measure and then address a reduction.

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5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e	**Emissions intensity of the functional unit**
Base year/Year 1:	CY2020	4,994	0.000850
Year 2:	CY2021	21,897	0.000777

Significant changes in emissions

Emissions have risen due to business growth; both in the number of customers OVO has in Australia, contributing to the overall increase in customer-related emissions, and also in the number of staff required to service these customers. Whilst a significant change in personnel, most of 2021 was spent working from home.

Emission source name	Current year (tCO_2-e and/ or activity data)	Previous year (tCO_2-e and/ or activity data)	Detailed reason for change
All customer-related electricity emissions	20,320.41	4,294	Large increase in customer base throughout reporting period.
OVO Energy retail related activities	533.69	698	Increased employees from 13 to 30, but largely all working from home during the entire reporting period.

Use of Climate Active carbon neutral products and services

N/A

Product emissions summary

Below is a representation of the lifecycle stages of generating, distributed and retailing an electricity product to customers.

Stage	tCO2-e
Stage 1 – Electricity generation This includes emissions relating to fuel extraction, production, transportation and combustion. *Scope 2 and Scope 3 emissions*	0
Stage 2 – Transmission and distribution This includes emissions relating to the transmission and distribution system (i.e. getting electricity to our customers) *Scope 2 emissions*	17,705.85
Stage 3 – OVO Energy retail operations This includes all emissions relating to OVO Energy's retail activities (office electricity, refrigeration, water, waste and business travel) *Scope 2 and Scope 3 emissions*	533.69
Stage 4 – Customer electricity consumption This relates to emissions directly from customer consumption of electricity. *Scope 3 emissions*	2,614.56

An uplift factor of 5% is used, in order to act as a contingency for any emissions not appropriately captured totaling 1042.71 tCO2-e.

Emissions intensity per functional unit	0.000777
Number of functional units to be offset	28,166,450
Total emissions to be offset	21,897

6. CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	1,006
2.	Total emissions footprint to offset for this report	21,897
3.	Total eligible offsets required for this report	21,897
4.	Total eligible offsets purchased and retired for this report	22,000
5.	Total eligible offsets banked to use toward next year's report	1,109

Co-benefits

The projects that we've chosen to support include electricity generation projects in developing countries, which have a material benefit

Eligible offsets retirement summary

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 (%)**
Wastewater Treatment with Biogas Production (UASB) and Heat Utilization at General Starch Co Ltd	VCUs	VERRA	02/11/2020	8924-54218392-54223191-VCS-VCU-291-VER-TH-13-82-01012014-31122014-0	2014		4,800	3,794	0	1,006	4.59%
CDM Project 6042 SHP Santa Carolina-Grid connected renewable electricity generation (Brazil)	CERs	UNFCCC	07/01/2022	BR-5-160921676-2-2-0-6042 - BR-5-160933675-2-2-0-6042	CP2		12,000	0	0	12,000	54.80%
CDM Project 3880: (ABGSPL) Methane recovery in waste water treatment Methane/Biomass Energy Generation (India)	CERs	UNFCCC	19/04/2022	IN-5-264863745-2-2-0-3880 - IN-5-264873744-2-2-0-3880	CP2		10,000	0	1,109	8,891	40.60%
									Total offsets retired this report and used in this report		21,897
									Total offsets retired this report and banked for future reports		1,109

Certified Emissions Reductions (CERs)	95.41%
Verified Carbon Units (VCUs)	4.59%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

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 CO2-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)	0	0	0%
GreenPower	11,000	0	96%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCs surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	2,144	0	19%
Residual Electricity	-1,644	-1,570	0%
Total renewable electricity (grid + non grid)	**13,144**	**0**	**114%**
Total grid electricity	**11,500**	**0**	**114%**
Total electricity (grid + non grid)	**11,500**	**0**	**114%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**-1,644**	**-1,570**	
Scope 2	-1,451	-1,386	
Scope 3 (includes T&D emissions from consumption under operational control)	-192	-183	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	.

Total renewables (grid and non-grid)	**114.29%**
Mandatory	**18.64%**
Voluntary	**95.65%**
Behind the meter	**0.00%**
Residual scope 2 emissions (t CO2-e)	**-1.39**
Residual scope 3 emissions (t CO2-e)	**-0.18**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	**0.00**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	**0.00**
Total emissions liability (t CO2-e)	**0.00**

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

Location Based Approach Summary

Location Based Approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	**100%**	**(kWh)**	**Scope 2 Emissions (kg CO2-e)**	**Scope 3 Emissions (kg CO2-e)**	**(kWh)**	**Scope 3 Emissions (kg CO2-e)**
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	11,500	11,500	9,775	805	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	**11,500**	**11,500**	**9,775**	**805**	**0**	**0**
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	**0**	**0**	**0**	**0**		
Total electricity (grid + non grid)	**11,500**					

Residual scope 2 emissions (t CO2-e)	**9.78**
Residual scope 3 emissions (t CO2-e)	**0.81**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	**9.78**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	**0.81**
Total emissions liability (t CO2-e)	**10.58**

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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