



# **PUBLIC DISCLOSURE STATEMENT**

**ORIGIN ENERGY LIMITED  
LPG  
PRODUCT CERTIFICATION  
CY2021 (PROJECTED)**

Australian Government  
**Climate Active**  
**Public Disclosure Statement**




NAME OF CERTIFIED ENTITY: Origin Energy Limited

REPORTING PERIOD: [1 January 2021 – 31 December 2021] (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.

Signature 	Date 07/12/2020
Name of Signatory Ryan Willemssen-Bell	
Position of Signatory General Manager, LPG	



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

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# 1. CARBON NEUTRAL INFORMATION

## Description of certification

This Public Disclosure Statement (PDS) is in relation to Origin Energy's application for carbon neutral certification under Climate Active for LPG. This product will be sold as "Green LPG". Carbon neutral LPG will be offered as an opt-in product for residential and small business customers, with the option to service other market segments in the future.

Green LPG will allow customers to offset greenhouse gas emissions associated with sourcing, transmission, distribution, retailing and consumption.

The emissions reported in this PDS are for CY2021, which is both the base year and first year of certification. The CY2021 data is estimated from CY2019 data. The expected total emissions for the LPG product are estimated to be ~5,069 t CO<sub>2</sub>-e in 2021. This number may increase depending on the level of uptake of the product.

LPG is mostly purchased domestically with some international purchases. LPG is sourced by ships, trucks, and tankers from suppliers' refineries and ports. It is distributed to customers via ships, with trucks for cylinders and tankers for larger customers.

The functional unit is tonnes of LPG sold and combusted, with emissions expressed as tonnes of CO<sub>2</sub>-e per tonne of LPG.

## Organisation description

Origin is an integrated energy company with a rich heritage in energy exploration, production, power generation and retailing. We are one of the leading providers of electricity, natural gas, LPG and solar to homes and businesses throughout Australia and the Pacific. As of June 2020, Origin had 4.2 million customer accounts across Australia and the Pacific.

Origin owns, operates, and contracts an electricity generation portfolio of over 7,400 MW, using a range of energy sources from traditional fuels like coal and natural gas, to renewables and storage such as solar, hydro and wind, across Australia.

Origin is the upstream operator and 37.5 per cent shareholder of Australia Pacific LNG, which supplies natural gas to domestic markets and exports LNG.

Our purpose of 'getting energy right for our customers, community and planet' underpins everything we do, and we understand our responsibility to our stakeholders. We are committed to providing 'good energy' that is reliable, affordable, and sustainable for our customers. We respect the rights and interests of the communities in which we operate and consult with them to understand and manage our impact.

***“Carbon neutral certified products tackle a key component of Origin Energy’s scope 3 emissions and are the latest addition to our comprehensive climate change commitments”***

We unequivocally support the United Nations Framework Convention on Climate Change and the Paris Agreement, and actions consistent with maintaining the average global temperature increase to well below 2°C compared with pre-industrial levels, and pursuing efforts to further limit this increase to 1.5°C.

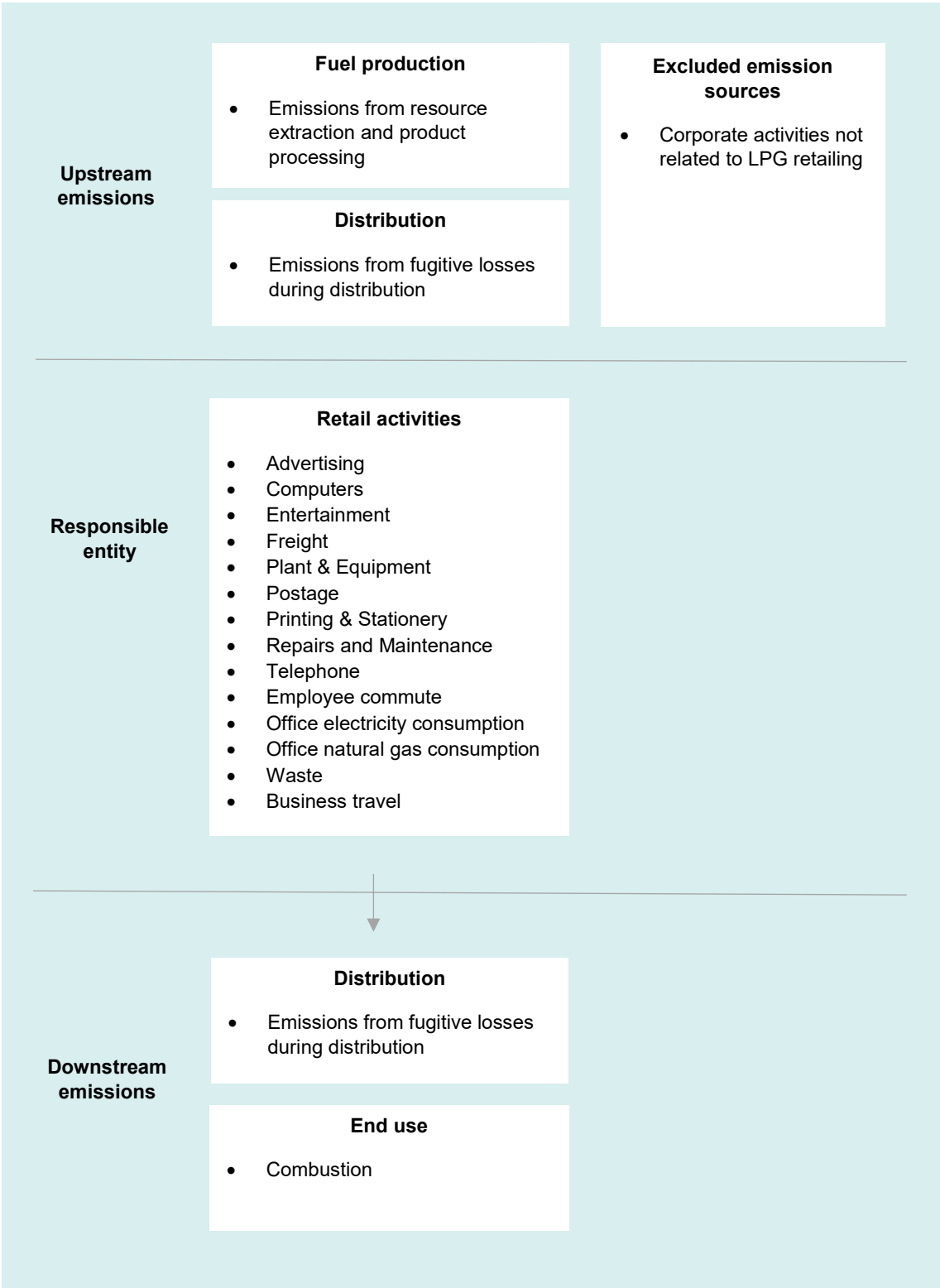
We believe Origin has a critical role in reducing emissions and delivering a clean energy future. Origin was the first company in Australia to set science-based emissions targets, independently approved by the Science Based Target initiative (SBTi).

We have developed a strategy to progressively decarbonise our business, and we are focused on empowering our customers with cleaner, smarter energy solutions.

This carbon neutral product certification will allow Origin to enable customers to opt-in and offset the greenhouse gas emissions associated with the supply and consumption of LPG.

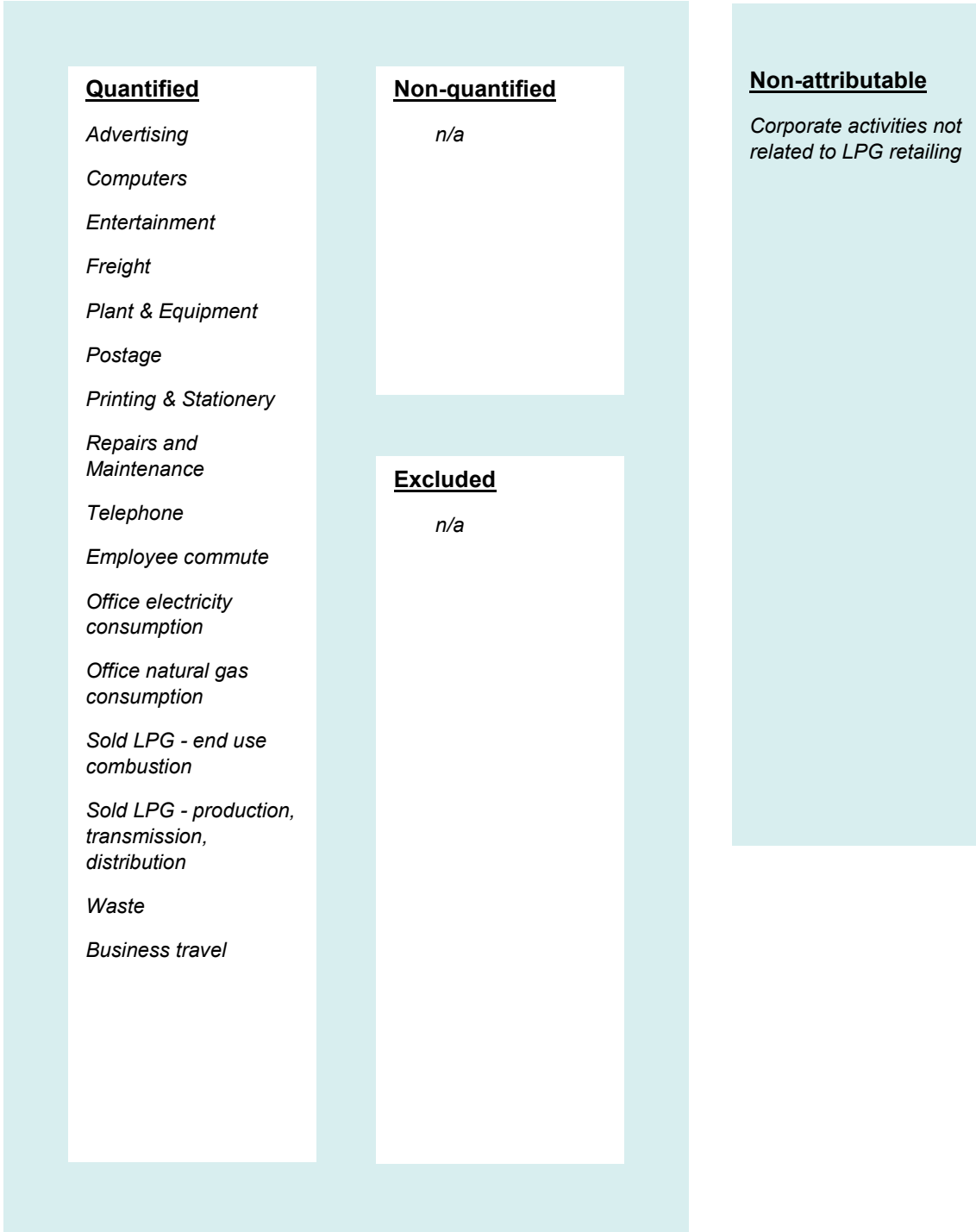
# Product/service process diagram

The following diagram is cradle to grave.



## 2. EMISSION BOUNDARY

### Diagram of the certification boundary



## **Attributable non-quantified sources**

There are no attributable emission sources that are non-quantified.

## **Data management plan**

A data management plan is not required as there are no non-quantified emission sources.

## **Excluded sources (within certification boundary)**

There are no excluded emission sources within the emissions boundary.

## **Non attributable sources (outside certification boundary)**

Corporate activities not related to LPG retailing have been deemed non-attributable as they do not make or carry the product through its lifecycle.

## 3. EMISSIONS SUMMARY

### Emissions reduction strategy

Climate change is one of the most significant challenges facing society today and managing the transition to a low-carbon economy is a strategic priority for Origin.

Origin is a proud member of the 'We Mean Business' coalition, which is dedicated to accelerating corporate action on climate change. In 2017, Origin was the first Australian company to set a science-based emissions reduction target independently validated and approved by the Science-Based Target initiative (SBTi). We have announced plans to update our emissions reduction targets in line with a 1.5°C pathway, with a longer-term aim to achieve net-zero emissions by 2050.

Our commitments include halving our Scope 1 and Scope 2 greenhouse gas emissions by 2032 and reducing our Scope 3 emissions by 25 per cent over the same period. In keeping with our commitment to progressively decarbonise our business, we have announced a new short-term emissions target to reduce Scope 1 emissions over the three financial years to FY2023 by 10 per cent on average, compared to our FY2017 SBTi baseline.

We will continue to progressively review our targets and be informed by the science-based guidance as it evolves, whilst continuing our focus on providing customers with clean and sustainable energy solutions.

### Emissions over time

As this is the certification's base year, there are no changes in emissions over time to report.

### Functional units

Table 2

	Number of functional units
<i>a) Number of functional units sold this period</i>	0
<i>b) Number of functional units to be forward offset demonstrating commitment to carbon neutrality (true-up to be conducted at the end of the reporting period)</i>	1,556.7 tonnes of LPG



## Emissions summary (inventory)

Table 3

Emission source category	tonnes CO <sub>2</sub> -e
Electricity (location based)	0.3
LPG sold to customers	5,036.3
Natural gas used in offices	0.4
Postage, courier, and freight	3.9
Office equipment & supplies	2.3
Professional services	1.9
ICT services and equipment	1.3
Construction materials and services	0.003
Waste	0.3
Air transport	0.1
Land and sea transport	21.7
1. Total inventory emissions	5,069 tCO <sub>2</sub> -e
2. Emissions per functional unit (based on the number of functional units represented by the inventory) Total tCO <sub>2</sub> -e divided by the number of functional units in table 1.	3.25593 tCO <sub>2</sub> -e/tonne
3. Carbon footprint (Emissions per functional unit (2)* number of functional units (a or b from table 2))	5,069 tCO <sub>2</sub> -e

## Uplift factors

No uplift factors were required.

## Carbon neutral products

No carbon neutral products were used.

## 4. CARBON OFFSETS

**Offset purchasing strategy:** forward purchasing on a quarterly basis

**Table 5**

Forward purchasing summary	
1. Total offsets previously forward purchased for this reporting period	0
2. Total offsets required for this reporting period	5,069 tCO <sub>2</sub> -e. Offsets will be forward-retired quarterly in transactions of 1,268 tCO <sub>2</sub> -e in November 2020, March 2021, June 2021 and September 2021.
3. Net offset balance for this reporting period	5,069 tCO <sub>2</sub> -e of which 1,268 tCO <sub>2</sub> -e will be retired in November 2020.
4. Total offsets to be forward purchased for next reporting period	5,069 tCO <sub>2</sub> -e

## Offsets summary

Table 6

<b>1. Total offsets required for this report</b>		1,268 tCO <sub>2</sub> -e							
<b>2. Offsets retired in previous reports and used in this report</b>		0							
<b>3. Net offsets required for this report</b>		1,268 tCO <sub>2</sub> -e							
Project description	Eligible offset units type	Registry unit retired in	Date retired	Serial number (including hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO <sub>2</sub> -e)	Quantity used for previous report	Quantity banked for future years	Quantity used this report
Osterley Downs Native Forest Protection Project	ACCUs	ANREU	30 Nov 2020	<a href="#">3,804,544,120 - 3,804,544,652</a>	2020-21	533	0	0	533
Boonora Downs Human-Induced Regeneration Project	ACCUs	ANREU	30 Nov 2020	<a href="#">3,806,227,661 - 3,806,228,395</a>	2020-21	735	0	0	735
<i>Total offsets retired this report and used in this report</i>							1,268		
<i>Total offsets retired this report and banked for future reports</i>							0		

## Co-benefits

Origin has purchased offsets from projects in Australia. These projects are the Osterley Downs Native Forest Protection Project and Boonora Downs Human-Induced Regeneration Project.

The Osterley Downs Native Forest Protection Project, located south of Cobar NSW, protects over 11,000 hectares of semi-arid woodland communities including grasslands, shrublands and woodlands. The project area is dominated by *Callitris*, *Eucalyptus*, *Dodonea*, and *Eremophila* species. Through ongoing maintenance activities, the project achieves numerous key conservation benefits including prevention of broad scale clearing, protecting soil from degradation through managed grazing, fire risk mitigation, protection and regeneration of numerous native plant species and preserving habitat for native wildlife.

The Boonora Downs Human Induced Regeneration Project, situated approximately 50km west of Cobar, NSW, promotes the regeneration of 8,000ha of native acacia and eucalypt woodland. The implementation of the Human Induced Regeneration project has enabled better management practices which have achieved important conservation benefits including: regeneration and rehabilitation of native forests, prevention of damage to forests by feral goats and other herbivores and protection of soils from degradation through managed grazing.

## 5. USE OF TRADEMARK

**Table 7**

Description where trademark used	Logo type
Sustainability report	Certified product
Website	Certified product
Social media and PR	Certified product
Marketing materials (print and digital)	Certified product

## 6. ADDITIONAL INFORMATION

# APPENDIX 1

## Non-attributable emissions for products and services

To be deemed attributable an emission must meet two of the five relevance criteria. Non-attributable emissions are detailed below against each of the five criteria.

**Table 8**

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>
Corporate activities not related to LPG retailing	No	No	No	No	No

## APPENDIX 2

### Non-quantified emissions for products/services

Please advise which of the reasons applies to each of your non-quantified emissions. You may add rows if required.

**Table 9**

<b>Non-quantification test</b>				
Relevant-non-quantified emission sources	<i>Immaterial &lt;1% for individual items and no more than 5% collectively</i>	<i>Quantification is not cost effective relative to the size of the emission, but uplift applied.</i>	<i>Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.</i>	<i>Initial emissions non-quantified but repairs and replacements quantified</i>
-	-	-	-	-