



PUBLIC DISCLOSURE STATEMENT

LUMO ENERGY


ORGANISATION CERTIFICATION
FY2022–23 (PROJECTED)

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Lumo Energy
REPORTING PERIOD	Financial year 1 July 2022 – 30 June 2023 Projected 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>DocuSigned by:  D8F71E0700EF439...</p> <p>Martin Exelby Chief Financial Officer 10 October 2022</p>



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

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

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,182.51t CO ₂ -e
OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	100% GreenPower
TECHNICAL ASSESSMENT	Date: 31 January 2022 Name: Alexander Stathakis Organisation: Conversio Pty Ltd Next technical assessment due: n/a
THIRD PARTY VALIDATION	Type 1 Date: 21 March 2022 Name: Katherine Simmons Organisation: KREA Consulting Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of certification

This certification covers the Australian business operations of Lumo Energy. Lumo Energy is registered under 4 ABNs, each representing a jurisdiction where Lumo historically operated.

- Lumo Energy (SA) Pty Ltd.: ABN 61 114 356 697
- Lumo Energy Australia Pty Ltd.: 69 100 528 327
- Lumo Energy (NSW) Pty Ltd.: 92 121 155 011
- Lumo Energy (Qld) Pty Ltd.: 63 114 356 642

While each Lumo organisation is accredited separately under Climate Active the submissions have been regrouped into one PDS for simplicity¹.

Emissions associated with the generation and delivery of energy to customers are outside of the boundary of this certification.

Organisation description

Lumo Energy is 100% owned by Snowy Hydro Limited, which manages, and maintains the Snowy Mountains Hydro-electric Scheme. Snowy has been generating renewable energy since 1955 and the Snowy Scheme is one of the largest sources of renewable energy in Australia. Snowy Hydro is also building Snowy 2.0, the largest committed renewable energy project in Australia.

Lumo Energy offers electricity and gas to residential and business customers in South Australia and Victoria and partners.

Over the last twelve years Lumo has won 11 Canstar Blue, Roy Morgan and Australian Reader's Digest Awards.

Lumo Energy has partnered with The Salvation Army since 2014 and proudly supports The Salvation Army's Utilities Assistance Programme. This programme helps ease the difficulty some households experience in paying their energy bills.

Lumo mainly operates from its Richmond office at 570 Church St, Cremorne, 3121.

“Lumo Energy is committed to a renewable energy future. With the support of Snowy Hydro we can lead the decarbonisation of the National Electricity Market. Climate Active helps us demonstrate our commitment and progress towards achieving those goals.”

¹ Lumo Energy (NSW) Pty Ltd.: 92 121 155 011 and Lumo Energy (Qld) Pty Ltd.: 63 114 356 642 no longer retail to customers in NSW and Qld

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 that are 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

Air Transport (fuel)
 Electricity
 ICT services and equipment
 Land and Sea Transport (fuel)
 Land and Sea Transport (km)
 Mumbai office (Lumo)
 Office equipment & supplies
 Professional Services
 Refrigerants
 Stationary Energy (natural gas and diesel)
 Telecommunications
 Waste to landfill
 Water
 Working from home

Non-quantified

Not applicable

Outside emission boundary

Excluded

No relevant emission sources have been excluded.

Generation and delivery of energy has been excluded on the basis of not being part of an organisation certification.

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

Lumo's emissions reduction strategy is summarised in the parent organisation's PDS, which is available on the Climate Active website.

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

Not applicable.

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO ₂ -e)
Air Transport (fuel)	2.49
Telecommunications	155.25
Electricity AUS (market-based)	0.00
Electricity NZ	0.01
ICT services and equipment	114.97
Land and Sea Transport (fuel)	40.47
Land and Sea Transport (km)	85.07
Mumbai office (Lumo)	146.75
Office equipment & supplies	373.93
Professional Services	147.74
Refrigerants	32.26
Stationary Energy	3.07
Waste	2.54
Water	0.68
Working from home	77.29
Total	1,182.51

6. CARBON OFFSETS

Offsets strategy

Forward purchasing	
1. Total emissions footprint to offset for this report	1,182.51t CO ₂ -e
2. Total eligible offsets purchased and retired for this report and future reports	1,183
3. Total eligible offsets retired and used for this report	1,183
4. Total eligible offsets forward purchased and banked to use toward next year's report	0

Co-benefits

Offsets summary

Proof of cancellation of offset units

The offset summary for Lumo can be found in the parent organisation's PDS, which is available on the Climate Active website.

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)*	N/A
2. Other RECs	N/A

* 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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>Total LGCs surrendered this report and used in this report</i>								N/A	

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-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 % 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	284,340	0	100%
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)	53,811	0	19%
Residual electricity	-53,811	-57,744	-19%
Total grid electricity	284,340	-57,744	100%
Total electricity consumed (grid + non grid)	284,340	-57,744	119%
Electricity renewables	338,152	0	
Residual electricity	-53,811	-57,744	
Exported on-site generated electricity	0	0	
Emission footprint (kgCO ₂ -e)		0	

Total renewables (grid and non-grid)	118.93%
Mandatory	18.93%
Voluntary	100.00%
Behind the meter	0.00%

Residual electricity emission footprint (tCO₂-e)	0
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Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary

Location-based approach	Activity data (kWh)	Emissions (kgCO ₂ -e)
NSW	15,036	3,447
Vic	1,101,088	305,756
Grid electricity (scope 2 and 3)	1,116,124	309,203
Not applicable	0	0
Non-grid electricity (behind the meter)	0	0
Total electricity consumed	1,116,124	309,203
Emission footprint (tCO₂-e)	309	

Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions (kgCO ₂ -e)
Not applicable	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

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.

No relevant emission sources have been non-quantified.

Relevant-non-quantified emission sources	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance plan in place
Not applicable				

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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