



# **PUBLIC DISCLOSURE STATEMENT**

**LUCID CONSULTING GROUP PTY LTD**

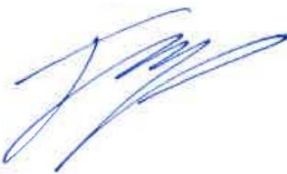
**ORGANISATION CERTIFICATION**

**FY2022–223**

Australian Government

# Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Lucid Consulting Group Pty Ltd
REPORTING PERIOD	Financial year 1 July 2022 – 30 June 2023 In-arrears
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>Jordan McPeake Energy and Sustainability Leader 31/10/2023</p>



**Australian Government**  
**Department of Climate Change, Energy,  
the Environment and Water**

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Version August 2023.



# 1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	928.21 tCO <sub>2</sub> -e
OFFSETS USED	26% ACCUs, 74% VCU
RENEWABLE ELECTRICITY	NA
CARBON ACCOUNT	Prepared by: Lucid Consulting Australia
TECHNICAL ASSESSMENT	05/09/2023 Jordan McPeake Lucid Consulting Australia Pty Ltd Next technical assessment due: FY 2026
THIRD PARTY VALIDATION	Type 1 Date: 31/10/2023 Name: Luke Bollmeyer Organisation: Accru+ Haris Orchard

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

Lucid Consulting Group Pty Ltd, trading as Lucid Consulting Australia, ABN 83 617 410 483, certifies as an organisation for their Australian business operations across their offices in Adelaide, Brisbane, Sydney, Melbourne, Canberra, Perth, Darwin and Alice Springs.

### Organisation description

Founded in 2000, Lucid Consulting is the largest employee-owned and Australian-owned engineering consultancy to operate in all mainland regions of Australia.

Our team consists of over 270 professionals with offices based in Adelaide, Darwin, Melbourne, Perth, Canberra, Sydney, Brisbane, and Alice Springs.

We specialise in engineering and advisory services including asset management, building services engineering, energy and sustainability, fire engineering, infrastructure, industrial power, and project management. We pride ourselves on being a relationships driven business working closely with clients from a wide range of industries and sectors.

#### OUR VISION

*To be Australia's most forward thinking, agile and influential engineers and asset advisors.*

*Engineering a better way for a better world.*

#### OUR MISSION

1. Imagining and creating environments for our People to realise their potential.
2. Applying thoughtful, comprehensive business consulting and technology skills that align with our Clients' purpose.
3. Operating a Business that naturally seeks to explore and invest in delivering a sustainable future.

National business entity is LUCID CONSULTING GROUP PTY LTD (ABN 83 617 410 483) trading as Lucid Consulting Australia. Each region (state and territory) has an office/s trading as a child company with an individual ABN.

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
LUCID CONSULTING ENGINEERS (ACT) PTY LTD	83 621 974 034	
LUCID CONSULTING ENGINEERS (NSW) PTY LTD	66 159 052 472	
LUCID CONSULTING ENGINEERS (NT) PTY LTD	73 151 806 227	
LUCID CONSULTING ENGINEERS (QLD) PTY LTD	43 621 954 425	
LUCID CONSULTING ENGINEERS (SA) PTY LTD	63 607 457 572	
LUCID CONSULTING ENGINEERS (VIC) PTY LTD	87 151 806 290	
LUCID CONSULTING ENGINEERS (WA) PTY LTD	55159 052 865	
LUCID PROJECTS (AUSTRALIA) PTY LTD	57 154 520 028	

## 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 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

- Electricity - Tenancy and Base Building
- Gas - Tenancy and Base Building
- Air Travel
- Business Accommodation
- Business Travel in Private Vehicles
- Taxi and Ride Share
- Food and Catering - Client Events
- IT Equipment
- Office Supplies Including Stationary
- Office Food Consumption
- Courier Services and Postage
- Water Supply
- Paper and Printing
- Staff Commute to Work
- Working From Home
- Telecommunications
- Cleaning Services
- Office Furniture

### Non-quantified

- Waste

### Optionally included

Not Applicable.

## Outside emission boundary

### Excluded

Professional Services  
Investments  
Emissions from client projects  
Refrigerants

## 4.EMISSIONS REDUCTIONS

### Emissions reduction strategy

Lucid Consulting is committed to reducing emissions and acting as a leader for the industries and communities in which we operate. We are committed to reducing overall emissions by 50% by 2030 and 75% within 20 years.

#### Strategy Pillars

The key pillars of our strategy supporting our commitment are as follows:

##### **Lean – Eliminate**

Where possible, eliminate emissions sources from the emissions inventory. This may include changes in behaviour or systems to remove the need for emissions sources.

##### **Clean – Improved Efficiency**

Where emissions sources can't be eliminated, consider opportunities to reduce emissions intensity. This may include substitution, optimization, and improve control of emissions sources.

##### **Seen – Measure and Monitor**

Implement improved monitoring to provide visibility to emissions. Where emissions are hard to abate, monitoring data may allow for improved abatement measures in future years through greater understanding. Where abatement actions are implemented, measuring and monitoring will allow for verification of performance and inform further actions as the reduction strategy is implemented over multiple years.

#### Actions

Actions have been defined through application of strategies to each emissions category. Actions applicable to all emissions categories are included as general items. A summary of key actions is provided below, as relevant to:

- General
- Supplies, Services, and Equipment
- Energy and Resources
- Transport and Travel.

## General

Action	Timing
Incorporate emissions performance into board reporting and quarterly shareholder reporting including offset liability.	2024
Establish an emissions data custodian within Lucid Academy or the Energy and Sustainability Team.	2024
Implement an education program for emissions reduction.	2024
Incorporate emissions data into line leader reporting. Automated emissions dashboard to be provided on LucidNet including Uber travel and Air Travel.	2025

## Supplies, Services, and Equipment

Action	Timing
Implement follow-me printing and printing caps across all offices.	2026
Follow-me printing data dashboard to be presented by state and provided on company intranet.	2026

## Energy and Resources

Action	Timing
All building owners of existing tenancies to be approached for the completion of an energy audit to improve performance.	2024
Provide energy data dashboard with per office breakdown on LucidNet.	2024
Procure 100% green power for tenancy electricity contracts.	2025
Smart meters installed at each office.	2027
All new tenancies to achieve a 5-Star NABERS rating or higher.	2028
All new tenancies to be served by LED lighting.	2028



## Transport and Travel

Action	Timing
Provision of emissions information to be integrated into company travel approval process.	2024
Improve AV equipment across all offices to support high-quality online engagement.	2027
Public transportation and carpooling to be encouraged for inspections and necessary meetings. To be incorporated into SWMS for inspections and meeting invitations.	2027
Active travel to be encouraged for staff commute. Lucid to implement matched contribution for active travel equipment for employees who can demonstrate an average of 3 trips per week to work.	2028
All Lucid tenancies to be supported by end-of-trip facilities.	2028

## 5.EMISSIONS SUMMARY

### Emissions summary

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

Emission category	Sum of Scope 1 (t CO2-e)	Sum of Scope 2 (t CO2-e)	Sum of Scope 3 (t CO2-e)	Sum of Total Emissions (t CO2-e)
Accommodation and facilities	0.00	0.00	50.36	50.36
Bespoke	0.00	0.00	0.00	0.00
Cleaning and chemicals	0.00	0.00	6.58	6.58
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	0.00	0.00
Electricity	0.00	265.54	34.25	299.79
Food	0.00	0.00	42.47	42.47
Horticulture and agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	13.46	13.46
Machinery and vehicles	0.00	0.00	0.00	0.00
Postage, courier and freight	0.00	0.00	1.62	1.62
Products	0.00	0.00	0.00	0.00
Professional services	0.00	0.00	0.00	0.00
Refrigerants	0.00	0.00	0.00	0.00
Roads and landscape	0.00	0.00	0.00	0.00
Stationary energy (gaseous fuels)	13.33	0.00	2.10	15.43
Stationary energy (liquid fuels)	1.19	0.00	0.29	1.48
Stationary energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (air)	0.00	0.00	303.58	303.58
Transport (land and sea)	0.00	0.00	148.65	148.65
use for duplicates	0.00	0.00	0.00	0.00
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	4.91	4.91
Working from home	0.00	0.00	-21.38	-21.38
Office equipment and supplies	0.00	0.00	52.06	52.06
<b>Total</b>	<b>14.52</b>	<b>265.54</b>	<b>638.96</b>	<b>919.02</b>

## Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO <sub>2</sub> -e
Uplift to account for waste.	9.37
Total of all uplift factors	9.37
<b>Total emissions footprint to offset</b> <i>(total emissions from summary table + total of all uplift factors)</i>	<b>928.21</b>

## 6. CARBON OFFSETS

### Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 929 t CO<sub>2</sub>-e. The total number of eligible offsets used in this report is 929. Of the total eligible offsets used, 0 were previously banked and 929 were newly purchased and retired. 21 are remaining and have been banked for future use.

## Eligible offsets retirement summary

Offsets retired 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 retired (tCO <sub>2</sub> -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 (%)
Jawoyn Fire 2 (ERF 102021)	ACCU	ANREU	9 November 2023	<a href="#">8330559796 - 8330559915</a>	2021-2022		120	0	0	120	13%
Lynwood Human-Induced Regeneration Project (ERF101280)	ACCU	ANREU	9 November 2023	<a href="#">8356141424 - 8356141543</a>	2022-23		120	0	0	120	13%
Cat Hiep Solar	VCU	Verra	8 November 2023	<a href="#">15796-719628447-719629156-VCS-VCU-264-VER-VN-1-1965-01012021-31122021-0</a>	2020-2022		710	0	21	689	74%
Total eligible offsets retired and used for this report										929	
Total eligible offsets retired this report and banked for use in future reports									21		
	Type of offset units			Eligible quantity (used for this reporting period)				Percentage of total			
	Australian Carbon Credit Units (ACCU)			240				26%			
	Verified Carbon Units (VCUs)			689				74%			

## 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	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
NA									
Total LGCs surrendered this report and used in this report									0

## APPENDIX A: ADDITIONAL INFORMATION

## APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

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.

For this certification, electricity emissions have been set by using the **location-based approach**.



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%
<b>Total non-grid electricity</b>	<b>0</b>	<b>0</b>	<b>0%</b>
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
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)	12,551	0	3%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	3,183	0	1%
Large Scale Renewable Energy Target (applied to grid electricity only)	87,550	0	18%
Residual Electricity	379,339	362,269	0%
<b>Total renewable electricity (grid + non grid)</b>	<b>103,284</b>	<b>0</b>	<b>21%</b>
<b>Total grid electricity</b>	<b>482,623</b>	<b>362,269</b>	<b>21%</b>
<b>Total electricity (grid + non grid)</b>	<b>482,623</b>	<b>362,269</b>	<b>21%</b>
Percentage of residual electricity consumption under operational control	100%		
<b>Residual electricity consumption under operational control</b>	<b>379,339</b>	<b>362,269</b>	
Scope 2	335,001	319,926	
Scope 3 (includes T&D emissions from consumption under operational control)	44,338	42,343	
<b>Residual electricity consumption not under operational control</b>	<b>0</b>	<b>0</b>	
Scope 3	0	0	

<b>Total renewables (grid and non-grid)</b>	<b>21.40%</b>
<b>Mandatory</b>	<b>18.80%</b>
<b>Voluntary</b>	<b>2.60%</b>
<b>Behind the meter</b>	<b>0.00%</b>
<b>Residual scope 2 emissions (t CO2-e)</b>	<b>319.93</b>
<b>Residual scope 3 emissions (t CO2-e)</b>	<b>42.34</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)</b>	<b>319.93</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)</b>	<b>42.34</b>
<b>Total emissions liability (t CO2-e)</b>	<b>362.27</b>

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	16,931	16,931	12,360	1,016	0	0
NSW	91,142	91,142	66,533	5,469	0	0
SA	122,068	122,068	30,517	9,765	0	0
VIC	44,577	44,577	37,890	3,120	0	0
QLD	51,273	51,273	37,429	7,691	0	0
NT	30,887	30,887	16,679	2,162	0	0
WA	125,745	125,745	64,130	5,030	0	0
TAS	0	0	0	0	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>482,623</b>	<b>482,623</b>	<b>265,539</b>	<b>34,253</b>	<b>0</b>	<b>0</b>
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		
<b>Non-grid electricity (behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>Total electricity (grid + non grid)</b>	<b>482,623</b>					

Residual scope 2 emissions (t CO2-e)	265.54
Residual scope 3 emissions (t CO2-e)	34.25
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	265.54
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	34.25
<b>Total emissions liability (t CO2-e)</b>	<b>299.79</b>

## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Non-quantified emission sources

The following emissions sources have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. 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.

Relevant non-quantified emission sources	Justification reason
Waste	Data Unavailable

### Data management plan for non-quantified sources

The data management plan below outlines how more rigorous quantification can be achieved for material (greater than 1%) non-quantified emission sources.

Waste data capture will be improved through greater communication with tenancy building operators, cleaning services providers, and the NABERS waste framework. Where possible, tenancies within buildings provided with a NABERS waste rating will be prioritised when considering new leasing requirements. Use of the NABERS waste framework will provide accurate data that can promote a detailed understanding of office waste and drive improved decision making.

## APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

### Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation'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.

## Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Professional Services	N	Y	N	N	N	<p><b>Size:</b> The emissions from professional services is unlikely to be large compared to the total emissions inventory.</p> <p><b>Influence:</b> We have potential to influence this emissions source by shifting to alternative suppliers.</p> <p><b>Risk:</b> There are no applicable laws or expectations that may create risks associated with this emissions source.</p> <p><b>Stakeholders:</b> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p><b>Outsourcing:</b> We have not previously undertaken these activities (legal, accounting etc.) within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.</p>
Investments	N	Y	N	N	N	<p><b>Size:</b> The emissions from professional services is unlikely to be large compared to the total emissions inventory.</p> <p><b>Influence:</b> We have potential to influence this emissions source by shifting to alternative investments.</p> <p><b>Risk:</b> There are no applicable laws or expectations that may create risks associated with this emissions source. Risks can be easily mitigated through alternative investments.</p> <p><b>Stakeholders:</b> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p><b>Outsourcing:</b> We have not previously undertaken any activities related to investments.</p>
Emissions from client projects	Y	N	N	N	N	<p><b>Size:</b> The size of this emissions source is likely to be much larger than our current emissions account.</p> <p><b>Influence:</b> We have limited ability to influence emissions from clients' projects without creating undue budget pressure and damaging our reputation.</p> <p><b>Risk:</b> Risks associated with this emissions source will be borne by clients and their projects, rather than Lucid.</p> <p><b>Stakeholders:</b> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p><b>Outsourcing:</b> Not applicable.</p>

Refrigerants	Y	N	N	N	N	<p><b>Size:</b> The size of this emissions source is likely to be significant, considering the high global warming potential of typical refrigerants.</p> <p><b>Influence:</b> We are unable to influence the selection of refrigerants serving the buildings that we occupy.</p> <p><b>Risk:</b> Transition risks posed by refrigerants are applicable to building owners and not to Lucid.</p> <p><b>Stakeholders:</b> Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business</p> <p><b>Outsourcing:</b> Not applicable.</p>
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