



PUBLIC DISCLOSURE STATEMENT

LIGHTHOUSE INFRASTRUCTURE

ORGANISATION CERTIFICATION

FY2020–21

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Lighthouse Infrastructure
REPORTING PERIOD	1 July 2020 – 30 June 2021
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><i>Mitchell King</i></p> <p>Mitchell King Managing Director 26 August 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	109 tCO ₂ -e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	35.55%
TECHNICAL ASSESSMENT	n/a
THIRD PARTY VALIDATION	Type 1 14/02/2022 Alexander Stathakis Conversio Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of certification

Lighthouse Infrastructure is a privately owned Australian company seeking to become a carbon neutral member of the Climate Active program.

Under the Organisations certification, Lighthouse Infrastructure Management Holdings Pty Ltd (LIMHPL), ABN 40 636 842 665, is certified carbon neutral for its corporate operations and its following subsidiaries:

- a) Lighthouse Infrastructure Management Limited (LIML), ABN 81 123 206 324.
- b) Lighthouse Infrastructure Management Operations Pty Ltd, ACN 635 878 545

“Lighthouse believes that returns for investors in real assets will be maximised over the long term on the basis that environmental, social and economic utility is sustained...”

Organisation description

Lighthouse Infrastructure is an investment firm and a fund manager focused on sustainable infrastructure investment. Based in Melbourne, Australia, Lighthouse Infrastructure has been operating since 2007 and is owned by employees of the firm. LIML is wholly owned by LIMHPL and the entity holding the AFS license.

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary. Emission sources can be excluded if they do not occur.

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		Outside emission boundary
<p><u>Quantified</u></p> <p>Business travel (accommodation, flights & taxis/hire car)</p> <p>Cleaning and chemicals</p> <p>Electricity</p> <p>Food</p> <p>ICT services and equipment</p> <p>Employee Commuting</p> <p>Office equipment & supplies</p> <p>Professional Services</p> <p>Waste</p> <p>Water</p> <p>Working from home</p>	<p><u>Non-quantified</u></p> <p>Refrigerants</p>	<p><u>Excluded</u></p> <p>n/a</p>
	<p><u>Optionally included</u></p> <p>n/a</p>	

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

Lighthouse is making a commitment to achieving 'carbon neutrality' in the short term, defined as removing carbon from the atmosphere and permanently storing it to counterbalance the impact of emissions that remain unabated. In recognising the complex nature of implementing a net zero carbon strategy at a portfolio level, we continue to investigate the pathway to net-zero, defined as reducing scope 1, 2, and 3 emissions to zero or to a residual level aligned with a 1.5°C scenario and neutralising any residual emissions using carbon credits or other carbon removal measures.

To this end, we have established the following objectives:

- We have achieved carbon neutrality in FY21 for our corporate activities.
- Commencing in FY21, we have measured the GHG emissions of our investment portfolio in line with the Partnership for Carbon Accounting Financials (PCAF) framework and will be reporting on our climate impact going forward.
- We are committed to the development of a net zero pathway to align our investment activities with the Paris Agreement in accordance with the Science Based Targets Initiative's (SBTi) guidance for the financial sector and the SBTi Net Zero Standard.
- Lighthouse will endeavour to develop an emission reduction strategy, which will be prioritising reductions in our own value chain over an offset strategy and intend to identify and implement strategies using existing and emerging technologies and techniques to reduce emissions between now and 2030. Potential strategies include investing in the addition of further renewable energy generation capacity at our solar sites, developing energy efficiency initiatives for our specialist disability accommodation and Key Worker Housing portfolios and generating land-based carbon removals where feasible.

5.EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

All electricity for our corporate office tenancy has been purchased from Powershop.

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO ₂ -e)
Accommodation and facilities	0.1
Air transport (km)	1.7
Cleaning and chemicals	1.5
Electricity (tenancy)	0
Electricity (base building)	33.9
Food	0.2
ICT services and equipment	24.2
Land and sea transport (km)	4.0
Office equipment & supplies	4.7
Postage, courier and freight	0.4
Professional services	25.2
Stationery Energy	0.0
Waste	3.4
Water	0.04
Working from home	4.2
Total	103.5

Uplift factors

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

Reason for uplift factor	tCO ₂ -e
Compulsory additional 5% of the total to be added for small organisations	5.2
<i>Total footprint to offset (uplift factors + net emissions)</i>	108.7

6.CARBON OFFSETS

Offsets strategy

Offset purchasing strategy: In arrears

1.	Total offsets previously forward purchased and banked for this report	0
2.	Total emissions liability to offset for this report	109
3.	Net offset balance for this reporting period	109
4.	Total offsets to be forward purchased to offset the next reporting period	0
5.	Total offsets required for this report	109

Co-benefits

Not applicable.

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 (%)
Ningxia Xiangshan Wind Farm Project	VCUs	VERRA	10 May 2022	12193-394732749-394732857-VCS-VCU-997-VER-CN-1-1867-01012021-30092021-0	2021	109	0	0	109	100%
Total offsets retired this report and used in this report									109	
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			
Verified Carbon Units (VCUs)		109					100%			

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
N/A									
Total LGCs surrendered this report and used in this report									

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	8,151	0	17%
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)	9,279	0	19%
Residual electricity	31,600	33,909	0%
Total grid electricity	49,030	33,909	36%
Total electricity consumed (grid + non grid)	49,030	33,909	36%
Electricity renewables	17,430	0	
Residual electricity	31,600	33,909	
Exported on-site generated electricity	0	0	
Emission footprint (kgCO ₂ -e)		33,909	

Total renewables (grid and non-grid)	35.55%
Mandatory	18.93%
Voluntary	16.62%
Behind the meter	0.00%
Residual electricity emission footprint (tCO₂-e)	34

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)
ACT	0	0
NSW	0	0
SA	0	0
Vic	49,030	53,442
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Grid electricity (scope 2 and 3)	49,030	53,442
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (behind the meter)	0	0
Total electricity consumed	49,030	53,442
Emission footprint (tCO₂-e)	53	

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.

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
Refrigerant	Yes	No	No	No

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.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Not applicable						



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