



PUBLIC DISCLOSURE STATEMENT


**CITY OF MELBOURNE
FIRELIGHT FESTIVAL
JULY 4-6, 2025**

PRE-EVENT REPORT

Australian Government

Climate Active Public Disclosure Statement



RESPONSIBLE ENTITY NAME	City of Melbourne
NAME OF EVENT	Firelight Festival
EVENT DATE(S)	July 4-6, 2025
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>Krista Milne Co-Director, Climate Change and City Resilience, City of Melbourne 08/04/2025</p>



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

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Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	341 tCO ₂ -e
CARBON OFFSETS USED	100% VERs
RENEWABLE ELECTRICITY	18.48%
CARBON ACCOUNT	Prepared by: City of Melbourne
TECHNICAL ASSESSMENT	Date: 09/04/2025 Organisation: Pangolin

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2.CERTIFICATION INFORMATION

Description of certification

This certification is for Firelight Festival 2025 being held from July 4 to 6

The event is expected to have 80,000 attendees and is being held at the following location(s).

- Docklands Precinct, Melbourne

Activity data collected from previous occurrences of this event has informed the preparation of this carbon inventory.

Event description

Melbourne's Firelight Festival is a multi-day celebration of the winter solstice held in the Docklands precinct of Melbourne. Owned and produced by the City of Melbourne, the Firelight Festival revels in themes of family and community, food and feasting, singing and music and renewal and rebirth.

All attendee transport, activations, food and beverage sales and entertainment brought to the precinct by Firelight organisers is included in the scope of this certification. All fuel use, electricity, management costs, bump-in and bump-out services, waste and post-event clean-up are also part of the certification scope. Any uplift to existing Docklands businesses is not included in the scope.

This will be the fourth consecutive year that Firelight Festival has achieved carbon neutral certification.

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 event, 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 the event'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
<u>Quantified</u>	<u>Non-quantified</u>	<u>Excluded</u>
Cleaning and Chemicals		Attendee
Electricity		Accommodation
Food		
Postage, courier and freight		
Products		
Professional Services		
Stationary Energy (liquid fuels)		
Stationary Energy (solid fuels)		
Transport (Land and Sea)		
Waste		
Water		

Data collection

Emissions source	Data collection method	Assumptions / conservative approach taken
Attendee travel	A sample of attendees will be surveyed on their travel mode, origin postcode and purposes of their travel. Total distance by mode figures are then extrapolated across all attendees to the event and a proportional attribution factor applied dependent on the average number of 'other activities' an attendee was engaged in on that day.	A 20% reduction in attendance is assumed based on the cessation of the Firelight Labyrinth which accounted for 20% of attendance at the 2024 event.
Attendee accommodation	The Firelight Festival is a local event for Melbournians and is not marketed interstate. Any interstate or overseas attendee is considered to be in Melbourne for other reasons and as such their accommodation is not attributable to Firelight Festival.	No assumptions
Food and drinks	All food and beverage vendor sales figures are collected by Firelight management.	No assumptions
Electricity	Sub-metering data and equipment lists for areas not sub-metered are collected by event management for all plug-in loads.	No assumptions
Road freight	All invoices for freight companies are collected by central event management	No assumptions
Professional services	All invoices for professional services are collected by central event management	No assumptions

4.EMISSIONS REDUCTIONS

Emissions reduction measures

In its fourth year of carbon neutral certification, the Firelight team has focused on ensuring compliance with data collection from contractors. With a reduction in programming, carbon emissions for 2025 have reduced.

1. Limited the amount of new construction – No new activations are planned for construction in 2025.
2. Food organics will continue to be collected and sent to a composting facility to minimise emissions from waste in landfill in 2024.
3. Multiple streams of recycling are collected, and bin infrastructure has been designed to ensure recycling is available at every station.
4. Attendees are encouraged to take public transport to the event to reduce their carbon footprint.

5.EMISSIONS SUMMARY

Use of Climate Active carbon neutral products, services, buildings or precincts

N/A.

Emissions summary

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

Emission category	Scope 1 emissions (tCO ₂ -e)	Scope 2 emissions (tCO ₂ -e)	Scope 3 emissions (tCO ₂ -e)	Total emissions (t CO ₂ -e)
Cleaning and chemicals	0.00	0.00	2.64	2.64
Electricity	0.00	1.21	0.15	1.36
Food	0.00	0.00	124.96	124.96
Postage, courier and freight	0.00	0.00	18.07	18.07
Professional services	0.00	0.00	108.22	108.22
Stationary energy (liquid fuels)	15.28	0.00	4.40	19.68
Stationary energy (solid fuels)	0.09	0.00	0.00	0.09
Transport (land and sea)	0.00	0.00	62.49	62.49
Waste	0.00	0.00	2.56	2.56
Water	0.00	0.00	0.06	0.06
Total emissions (tCO ₂ -e)	15.36	1.21	323.56	340.13

Uplift factors

N/A

6.CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

This is a pre-event report. Any eligible offsets allocated to this event will be reconciled as part of the post-event report.

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Verified Emissions Reductions (VERs)	341	100%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Miaoli 49.8MW Wind Farm Project by Nanjitan Asset Management Ltd.	VER	Gold Standard Impact Registry	23/02/2024	GS1-1-TW-GS931-12-2014-4575-36668-37157	2014	490	412	0	78	22.87%
Thai Hoa Wind Power project	VER	Gold Standard Impact Registry	04/04/2025	GS1-1-VN-GS11251-12-2023-26254-74656-74918	2023	263	0	0	263	77.13%

Stapled units summary

The below units have been 'stapled' to eligible Climate Active carbon offset units. Stapled units may represent a beneficial outcome, such as biodiversity protection or improved water quality. These purchases are additional to Climate Active program requirements.

Stapled units and their corresponding scheme or project have not been assessed by Climate Active against the offset integrity principles in the Climate Active Carbon Neutral Standards and are not included in the list of eligible Climate Active carbon offset units (Appendix A of the Standards). Businesses have undertaken their own due diligence when purchasing these stapled units.

Project name	Unit type e.g. biodiversity	Project location	Eligible offset project stapled to	Stapled quantity	Link to project or evidence
Mount Sandy Conservation Project	ABU	Australia	Miaoli 49.8MW Wind Farm Project by Nanjitan Asset Management Ltd.	78 (490)	See Appendix A
Mount Sandy Conservation Project	ABU	Australia	Thai Hoa Wind Power project	263	See Appendix A

Co-benefits

N/A

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

BIODIVERSITY UNIT CERTIFICATE

MOUNT SANDY CONSERVATION PROJECT

This certificate confirms that

490

Australian Biodiversity Units
(735 square metres)

have been purchased and are being retired by

City of Melbourne

CRN: 105685

Serial Numbers: 103394 - 103883

An Australian Biodiversity Unit (ABU) represents the
permanent protection of 1.5 square metres of high
conservation value native habitat



22/02/2024

Registrar Certification

date

NVCR ALLOCATION REFERENCE: NVS2019-4003-182VOL003



vegetationlink
Verified Biodiversity Units

BIODIVERSITY UNIT CERTIFICATE

MOUNT SANDY
CONSERVATION PROJECT

This certificate confirms that

263

Australian Biodiversity Units
(394.50 square metres)

have been purchased and are being retired by

City of Melbourne

CRN: 111813

Serial Numbers: 8158-8420

An Australian Biodiversity Unit (ABU) represents the
permanent protection of 1.5 square metres of high
conservation value native habitat



Registrar Certification

02/04/2025

date

NVCR ALLOCATION REFERENCE: NVS2019-4003-181 VOL005b



vegetationlink
Verified Biodiversity Units

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 **market-based approach**

Market Based Approach Summary			
Market Based Approach	Activity Data (kWh)	Emissions (kg CO ₂ -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	0	0	0%
Climate Active certified - Precinct/Building (voluntary renewables)	0	0	0%
Climate Active certified - Precinct/Building (LRET)	0	0	0%
Climate Active certified - Precinct/Building jurisdictional renewables (LGCs surrendered)	0	0	0%
Climate Active certified - Electricity products (voluntary renewables)	0	0	0%
Climate Active certified - Electricity products (LRET)	0	0	0%
Climate Active certified - 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)	338	0	18%
Residual electricity	1,492	1,358	0%
Total renewable electricity (grid + non grid)	338	0	18%
Total grid electricity	1,830	1,358	18%
Total electricity (grid + non grid)	1,830	1,358	18%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	1,492	1,358	
Scope 2	1,328	1,208	
Scope 3 (includes T&D emissions from consumption under operational control)	164	149	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	18.48%
Mandatory	18.48%
Voluntary	0.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	1.21
Residual scope 3 emissions (t CO₂-e)	0.15
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	1.21
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.15
Total emissions liability (t CO₂-e)	1.36

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 CO ₂ -e)	Scope 3 Emissions (kg CO ₂ -e)	(kWh)	Scope 3 Emissions (kg CO ₂ -e)
VIC	1,830	1,830	1,446	128	0	0
Grid electricity (scope 2 and 3)	1,830	1,830	1,446	128	0	0
VIC	0	0	0	0		
Non-grid electricity (behind the meter)	0	0	0	0		
Total electricity (grid + non grid)	1,830					

Residual scope 2 emissions (t CO ₂ -e)	1.45
Residual scope 3 emissions (t CO ₂ -e)	0.13
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	1.45
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.13
Total emissions liability (t CO ₂ -e)	1.57

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO ₂ -e)
<i>Enter name or address of Climate Active certified building/precinct</i>	0	0
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market based method is outlined as such in the market based summary table.		

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
<i>Enter name of Climate Active Carbon Neutral electricity product</i>	0	0
Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market based method is outlined as such in the market based summary table.		

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. 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.

Relevant non-quantified emission sources	Justification reason
N/A	

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

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 event's electricity.
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 event's greenhouse gas risk exposure.
4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.
5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken within the event's boundary or from outsourced activities that are typically undertaken within the boundary for comparable events.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Attendee Accommodation	N	N	N	N	N	<p>Size: The size of the emissions is unknown as attendees who may be from interstate or overseas are determined to have not travelled to Melbourne for the purpose of attending Firelight as it is a local event. It is assumed however that the number of interstate or overseas visitors to this event would be immaterial.</p> <p>Influence: We do not have the potential to influence the emissions from this source.</p> <p>Risk: As attendee accommodation is not considered in-scope for this event, and is likely to be very minimal anyway, it is unlikely to be of significant public interest.</p> <p>Stakeholders: Stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business.</p> <p>Outsourcing: This activity is not outsourced, it is simply out of scope. We have not previously included this source our emissions boundary for any City of Melbourne major event.</p>



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