



PUBLIC DISCLOSURE STATEMENT

CITY OF MELBOURNE
FIRELIGHT FESTIVAL 2022
1-3 JULY 2022

PRE-EVENT REPORT

Australian Government
Climate Active
Pre-event Public Disclosure Statement
Large event



NAME OF RESPONSIBLE ENTITY: City of Melbourne

EVENT NAME: Firelight Festival

EVENT DATE(S): 1-3 July 2022

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

A handwritten signature in blue ink, appearing to read 'Tiffany Crawford', on a light-colored background.

Date 08/04/2022

Name of Signatory: Tiffany Crawford

Position of Signatory: Co-Director of climate Change and City Resilience, City of Melbourne



Australian Government
Department of Industry, Science,
Energy and Resources

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Version number May 2021

1. Carbon neutral information

Activity data collected from previous City of Melbourne events has informed the preparation of this pre-event carbon inventory.

Event introduction

Melbourne's Firelight Festival is a three 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. Driving visitation of some 76,000 attendees to the Docklands, the event will be certified carbon neutral for the first time in 2022.

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

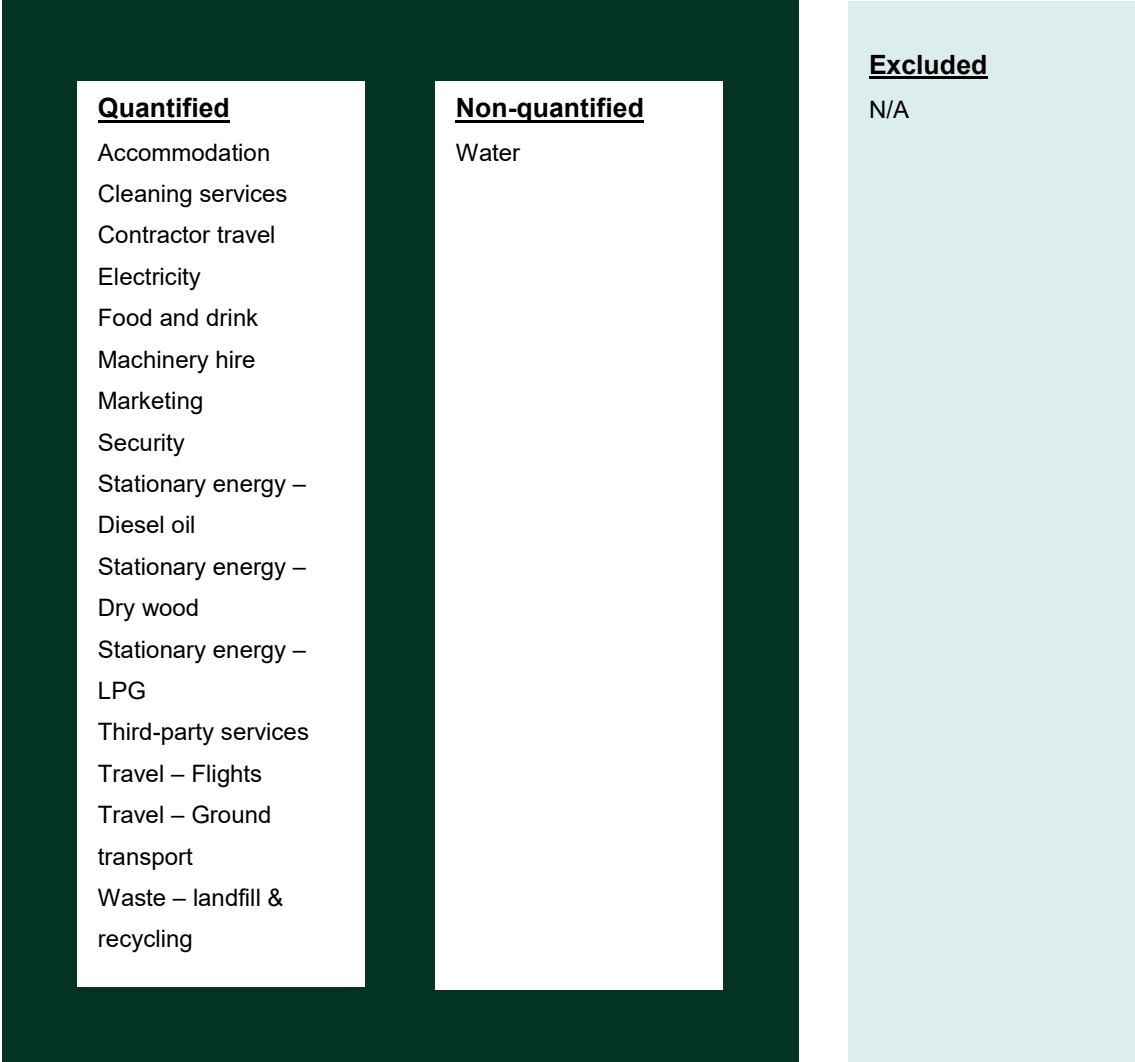
2. Emissions reduction measures

Firelight Festival is early on its carbon neutral journey. In planning for the 2022 event however, measures have been taken to ensure carbon emissions are reduced where practical and systems are implemented to baseline and monitor all material emissions sources.

1. Limit the amount of new construction – Firelight Festival has a number of fire-based activations and installations. In 2022 only one new installation will be constructed with all other installations being recycled from previous years. In future years', Firelight Festival will work with artists to maximize the use of recycled material so as to reduce emissions associated with the use of virgin materials in any new installations.
2. Waste, including food waste is a significant and visible environmental impact of Firelight Festival. Food organics will be collected and sent to a composting facility to minimise emissions from waste in landfill. The data from 2022 will form a baseline for improvement in future years.

3. Emissions boundary

Emission boundary Diagram



Non-quantified sources

Water has been non-quantified as they have been estimated to be immaterial.

Data management plan

N/A

Excluded sources (outside of certification boundary)

N/A

4. Emissions summary

Table 1 Emissions summary

Emission source category	tonnes CO ₂ -e
Accommodation and facilities	3.41
Air Transport (km)	1.20
Cleaning and Chemicals	1.58
Electricity	18.96
Food	439.20
Land and Sea Transport (fuel)	1.44
Land and Sea Transport (km)	24.88
Machinery and vehicles	0.84
Office equipment & supplies	13.02
Professional Services	199.77
Stationary Energy	72.44
Waste	84.60
	Total tCO₂-e
	861.33
Uplift factor (as tCO ₂ -e)	0.00
	Total tCO₂-e + uplift factor
	861.33

Please indicate what this uplift factor covers: N/A

Electricity summary

Electricity was calculated using a market-based approach.

Market Based Approach Summary

Table 2

Market Based Approach	Activity Data (kWh)	Emissions (kgCO2e)	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 & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
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)	3,292	0	19%
Residual Electricity	14,101	15,132	0%
Total grid electricity	17,393	15,132	19%
Total Electricity Consumed (grid + non grid)	17,393	15,132	19%
Electricity renewables	3,292	0	
Residual Electricity	14,101	15,132	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO2e)		15,132	

Total renewables (grid and non-grid)	18.93%
Mandatory	18.93%
Voluntary	0.00%
Behind the meter	0.00%
Residual Electricity Emission Footprint (tCO2e)	15
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>	

Location-based approach summary

Table 3

Location Based Approach	Activity Data (kWh)	Emissions (kgCO2e)
VIC	17,393	18,958
Grid electricity (scope 2 and 3)	17,393	18,958
VIC	0	0
Non-grid electricity (Behind the meter)	0	0
Total Electricity Consumed	17,393	18,958
Emission Footprint (tCO2e)	19	

5. Carbon neutral products

Yarra Trams is powered by 100% renewables through the Victorian Renewable Energy Target (VRET) program, thus attendees traveling by tram have no associated emissions.

This assessment and Climate Active submission was prepared with the assistance of [Pangolin Associates](#) and these services are also carbon neutral.

6. Data collection

Table 4 Data collection

Emission source	Data collection method	Assumptions
Travel – Attendee transport	The Firelight Festival conducts a survey of up to 500 attendees and gathers: <ol style="list-style-type: none"> 1. Mode of transport; and 2. Origin of trip (postcode) This data is then extrapolated across all attendee numbers and an attribution factor is applied based on whether an attendee visited the city for other reasons besides attending Firelight. An attribution factor is then applied dependent on how many other activities the attendee undertook on that day.	<ul style="list-style-type: none"> • The extrapolation is representative of true travel distance. • That the attribution factor accurately represents the proportion of travel that can be attributed to the event versus other activities the attendee may have travelled for on that day.
Ground Transport – Contractors	Data collection table filled in by contactors collecting mode of transport and distance travelled to Firelight Festival.	
Accommodation	Accommodation for – contractors and performers is included. Firelight staff track all performer and contractor numbers and how many nights’ accommodation they claim while working on firelight Festival	
Food & Drink	Data collection sheets are given to all food and beverage providers across the Firelight Festival and are contracted to provide this data.	<ul style="list-style-type: none"> • That food and beverage providers are comfortable being transparent about their sales figures.
Electricity	Mains electricity is not metered at various Docklands sites. In all instances where mains electricity is being used, a full list of electrical equipment is collected and total electricity use is calculated based on the maximum energy draw of that equipment	
Stationary Energy	Contractors which manage diesel generators and LPG consuming activations are required to provide fuel use data post-event. A pre-determined weight of firewood is purchased pre-event so quantities are known in advance.	
Professional Services	All invoices for the various professional services will be provided by event management staff.	

7. Eligible offset units

Offsets summary

Table 5: Offsets summary

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	Stapled quantity	Eligible quantity (tCO ₂ -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 (%)
Savanna Burning Investment Ready Project - Cape York Pilot Aurukun	ACCUs	ANREU	03/06/2020	3,799,427,512 - 3,799,428,511	2020	0	1000	561	177*	262	30%
Grouped Hydropower Plants in Chongqing, Yunnan, Sichuan and Guizhou Provinces, P.R. China	VCUs	VERRA	30/03/2022	10901-255317839-255318438- VCS-VCU-785- VER-CN-1-438- 26122015- 27032016-1	2016	0	600	0	0	600	70%
Total offsets retired this report and used in this report										862	
Total offsets retired this report and banked for future reports									177*		

*The City of Melbourne's offset provider has pre-retired all 1000 ACCUs from this project. A total of 147 units were attributed to Melbourne Knowledge Week 2021. A further 364 units are attributed to Moomba 2022, 50 units to Melbourne Knowledge Week 2022 and 262 units to Firelight Festival 2022. This leaves 177 units which will be attributed to future carbon neutral event.





Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 30 Mar 2022, 600 Verified Carbon Units (VCUs) were retired on behalf of:


City of Melbourne - Firelight Festival 2022

Project Name
Grouped Hydropower Plants in Chongqing, Yunnan, Sichuan and Guizhou Provinces, P.R. China

VCU Serial Number
10901-255317839-255318438-VCS-VCU-785-VER-CN-1-438-26122015-27032016-1

Additional Certifications
Social Carbon

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Australian National Registry of Emissions Units

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- Projects
- Transaction Log
- CER Notifications
- Public Reports
- My Profile

Transaction Details

Transaction details appear below.

Transaction Successfully Approved

Transaction ID	AU15162
Current Status	Completed (4)
Status Date	03/06/2020 18:37:47 (AEST) 03/06/2020 08:37:47 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Galea, Rhyannon Margaret Rosalie
Transaction Approver	Galea, Rhyannon Margaret Rosalie
Comment	Carbon credits retired on behalf of City of Melbourne to comply with its Climate Active certification for emissions during FY2019/20

Transferring Account Account Number: AU-2977 Account Name: South Pole Australia Financial Services Pty Ltd Account Holder: South Pole Australia Financial Services Pty Ltd	Acquiring Account Account Number: AU-1068 Account Name: Australia Voluntary Cancellation Account Account Holder: Commonwealth of Australia
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Partx	Yrns	Transaction Type	Original CP	Current CP	ERE Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Exclx Date	Serial Ranges	Quantity
AU	KACCU	Voluntary ACCU Cancellation			ERF101805					2019-20		3,792,963,615 - 3,793,966,614	1,000
AU	KACCU	Voluntary ACCU Cancellation			OUP100272					2019-20		3,799,427,512 - 3,799,428,511	1,000

Status Date	Status Code
03/06/2020 18:37:47 (AEST)	Completed (4)
03/06/2020 08:37:47 (GMT)	
03/06/2020 18:37:47 (AEST)	Proposed (1)
03/06/2020 08:37:47 (GMT)	
03/06/2020 18:37:47 (AEST)	Account Holder Approved (97)
03/06/2020 08:37:47 (GMT)	
03/06/2020 18:37:26 (AEST)	Awaiting Account Holder Approval (95)
03/06/2020 08:37:26 (GMT)	

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Offset projects – Co-benefits

Savanna Burning Savanna Burning Investment Ready Project - Cape York Pilot Aurukun

Caring for country in the Western Cape York. Overseen by Indigenous-led not-for-profit, Aak Puul Ngantam (APN Cape York), this project engages local Wik and Kugu Traditional Owners as project rangers in traditional Indigenous fire management practices, carrying out strategic ‘cool’ burns in the tropical winter to reduce emissions from larger, late-season bushfires

Grouped Hydropower Plants in Chongqing, Yunnan, Sichuan and Guizhou Provinces, P.R. China

Huoshi Grouped Small Hydro consists of multiple small-scale hydropower plants that generate renewable energy for rural Southwest and South Central China. By supplying clean hydroelectric power to the local grid, the project displaces greenhouse gas emissions, helping mitigate climate change and improving the lives of local people

8. Use of certification trade mark

Table 6: Trade mark register

Description where trademark used	Logo type
Website	Certified event

APPENDIX 1

Excluded emissions

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

Table 7

Relevance test					
Excluded emission sources	<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>

N/A

APPENDIX 2

Non-quantified emissions for organisations

Table 8

Non-quantification test				
Relevant-non-quantified emission sources	<i>Immaterial <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>
Water	Y	N	N	N