




# **PUBLIC DISCLOSURE STATEMENT**

**CITY OF MELBOURNE  
MOOMBA  
MARCH 9-13, 2023**

**PRE-EVENT REPORT**

Australian Government  
**Climate Active**  
**Public Disclosure Statement**



RESPONSIBLE ENTITY NAME	Melbourne City Council
NAME OF EVENT	Moomba 2023
EVENT DATE(S)	March 9-13, 2023
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                  11/10/2022</p>



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

Public Disclosure Statement documents are prepared by the submitting organisation. The material in the Public Disclosure Statement documents represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement document and disclaims liability for any loss arising from the use of the document for any purpose.

Version: March 2022

# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	2,480 tCO <sub>2</sub> -e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	108%
TECHNICAL ASSESSMENT (LARGE EVENT ONLY)	19/07/2022 Josh Prado Pangolin Associates Next technical assessment due: 2025

Contents

- 1. Certification summary ..... 3
- 2. Carbon neutral information ..... 4
- 3. Emissions boundary ..... 5
- 4. Emissions reductions ..... 8
- 5. Emissions summary ..... 9
- 6. Carbon offsets ..... 10
- 7. Renewable Energy Certificate (REC) Summary ..... 11
- Appendix A: Additional Information ..... 13
- Appendix B: Electricity summary ..... 14
- Appendix C: Inside emissions boundary ..... 16
- Appendix D: Outside emissions boundary ..... 17

## 2. CARBON NEUTRAL INFORMATION

### Description of certification

Event name: Moomba 2023

Event date(s): March 9-13

Event location(s): Alexandra Gardens, Kings Domain, Birrarung Marr, Birrarung (Yarra River)

Expected attendees: one million+

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

*“The City of Melbourne proudly presents Moomba as a carbon neutral event again – combining this proud tradition with our need to act on climate change”*

### Event description

The Moomba Festival is a uniquely Melbourne event held across the Labour Day long weekend in March. Moomba is wholly-owned by the City of Melbourne and regularly attracts over one million people to the various elements centered on and around the Birrarung (Yarra River) and surrounding parks. The event is comprised of:

- Moomba Carnival: a traditional carnival showground with motorised carnival rides, carnival attractions and sideshow games and food held in Alexandra Gardens.
- The Moomba Parade: a community parade of culturally diverse floats run along Linlithgow Avenue in the Kings Domain.
- Australian Skateboarding League competition held at Alexandra Gardens Skate Park.
- Australian Water Skiing Championships held on the Birrarung (Yarra River).
- The Birdman Rally: a novelty competition where individuals raise money for charity through building and flying their ‘flying machines’ from a platform into the Birrarung (Yarra River).

The skateboarding and water skiing competitions are managed by external organisations however all emissions for these events are calculated and offset as part of the Moomba emissions inventory.

Moomba is proudly carbon neutral for the second year in 2023.

## 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**

**Quantified**

- Accommodation and facilities
- Cleaning and Chemicals
- Construction Materials and Services
- Electricity
- Food
- ICT services and equipment
- Office equipment & supplies
- Postage, courier and freight
- Products
- Professional Services
- Stationary Energy (liquid fuels)
- Transport (Air)
- Transport (Land and Sea)
- Waste
- Water
- Fireworks

**Non-quantified**

N/A

**Outside emission boundary**

**Excluded**

- Event preparation

## Data collection

Emission source	Data collection method	Assumptions / conservative approach
Travel – Attendee Transport	<p>The Moomba Festival conducts a survey of more than 1000 attendees and gathers:</p> <ol style="list-style-type: none"> <li>1. Mode of transport; and</li> <li>2. Origin of trip (postcode)</li> <li>3. Other activities undertaken on the day they attended Moomba</li> </ol> <p>From this, a total distance by travel mode is calculated and then extrapolated across all attendees. A ‘travel attribution factor’ is applied based on how many other activities were undertaken in the city besides attending Moomba.</p>	<ul style="list-style-type: none"> <li>• The extrapolation is representative of true travel distance.</li> <li>• 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.</li> </ul>
Accommodation and Air Travel	<p>Data collection sheets are filled in by event organisers detailing number of nights’ accommodation and star rating for – Skateboarding and water skiing competitors and their teams and carnival operators.</p>	<ul style="list-style-type: none"> <li>• Where the star rating of a hotel is unknown/not detailed, a default of 4 star is applied.</li> <li>• All flights are assumed to be return.</li> </ul>
Food	<p>All catering vendors must report their daily takings to Moomba staff via electronic register read-outs.</p>	
Electricity	<p>The City of Melbourne manage all utility interval data for Moomba sites through data management software, ensuring that actual electricity data can be accurately collected.</p>	
Ground Transport – Contractors	<p>Data collection sheets are filled in by main carnival contractors which collects carnival operators’ freight transport size and distance travelled to Moomba.</p>	
Professional Services	<p>All invoices for the various professional services are managed through a central budget.</p>	

## 4. EMISSIONS REDUCTIONS

### Emissions reduction measures

**Use of renewable energy:** The Alexandra Gardens carnival site is powered by renewable energy through the Melbourne Renewable Energy Project.

**Reduce virgin materials in Moomba Parade:** The City of Melbourne works with all production contractors to minimize the amount of new material used in construction for the Moomba Parade.

**Sustainable transport communication:** It is now well understood that attendee transport is the largest single emissions source for CoM major events. Attendees to Moomba are encouraged to walk, cycle or take a tram to reduce their transport emissions.

**Compost food waste:** Significant back-of-house food waste will be composted through the Moomba waste contractor.

**Reduce single use waste items:** Moomba will reduce waste to landfill by partnering with suppliers and eliminating single use items like plastic drink bottles and single use plates in the catering area.



## 5. EMISSIONS SUMMARY

### Use of Climate Active carbon neutral products and services

N/A

### Event emissions summary

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

Emission category	Sum of Scope 1 (tCO <sub>2</sub> -e)	Sum of Scope 2 (tCO <sub>2</sub> -e)	Sum of Scope 3 (tCO <sub>2</sub> -e)	Sum of total emissions (tCO <sub>2</sub> -e)
Accommodation and facilities	0.00	0.00	87.14	87.14
Cleaning and Chemicals	0.00	0.00	20.41	20.41
Construction Materials and Services	0.00	0.00	3.93	3.93
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	354.38	354.38
ICT services and equipment	0.00	0.00	46.62	46.62
Office equipment & supplies	0.00	0.00	0.75	0.75
Postage, courier and freight	0.00	0.00	44.10	44.10
Products	0.00	0.00	67.24	67.24
Professional Services	0.00	0.00	186.73	186.73
Stationary Energy (liquid fuels)	29.64	0.00	1.52	31.16
Transport (Air)	0.00	0.00	386.33	386.33
Transport (Land and Sea)	1.55	0.00	1220.48	1222.03
Waste	0.00	0.00	26.80	26.80
Water	0.00	0.00	0.63	0.63
Fireworks	0.00	0.00	1.02	1.02
<b>Grand Total</b>	<b>31.19</b>	<b>0.00</b>	<b>2448.08</b>	<b>2479.27</b>

### Uplift factors

N/A

## 6. CARBON OFFSETS

### Eligible offsets retirement 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 <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 (%)
Grouped Hydropower Plants in Chongqing, Yunnan, Sichuan and Guizhou Provinces, P.R. China	VCU	VERRA	06-10-22	<a href="#">9407-95970483-95972962-VCS-VCU-785-VER-CN-1-438-28032016-25092016-1</a>	2016		2,480	0	0	2,480	100
<b>Total offsets retired this report and used in this report</b>										2,480	
<b>Total offsets retired this report and banked for future reports</b>										0	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total (%)
Verified Carbon Units (VCUs)	2,480	100

## Co-benefits

### **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.

## 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)*	^4
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.

^LGCs in this table have been retired as part of the City of Melbourne's PPA and are registered and reported in the City's organisational carbon neutral PDS. It is not possible to attribute particular LGC serial numbers to the electricity used at this event.

# APPENDIX A: ADDITIONAL INFORMATION



## Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 06 Oct 2022, 2,480 Verified Carbon Units (VCUs) were retired on behalf of:

City of Melbourne

### Project Name

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

### VCU Serial Number

9407-95970483-95972962-VCS-VCU-785-VER-CN-1-438-28032016-25092016-1

### Additional Certifications

Social Carbon

Powered by  APX

## 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 <sub>2</sub> 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 & Precinct LGCs)	4,000	0	89%
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)	833	0	19%
Residual Electricity	-353	-351	-8%
<b>Total grid electricity</b>	<b>4,480</b>	<b>-351</b>	<b>100%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>4,480</b>	<b>-351</b>	<b>108%</b>
Electricity renewables	4,833	0	
Residual Electricity	-353	-351	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emissions (kgCO <sub>2</sub> e)		0	
<i>A minus Residual Electricity Emissions in kgCO<sub>2</sub>e rounds to zero because the negative emissions can only be used to reduce electricity consumption emissions. See electricity accounting rules for further information</i>			
<b>Total renewables (grid and non-grid)</b>	<b>107.88%</b>		
<b>Mandatory</b>	<b>18.59%</b>		
<b>Voluntary</b>	<b>89.29%</b>		
<b>Behind the meter</b>	<b>0.00%</b>		
<b>Residual Electricity Emission Footprint (TCO<sub>2</sub>e)</b>	<b>0</b>		
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>			

## Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
Vic	4,480	4,077	448
<b>Grid electricity (scope 2 and 3)</b>	<b>4,480</b>	<b>4,077</b>	<b>448</b>
Vic	0	0	0
<b>Non-grid electricity (Behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Electricity Consumed</b>	<b>4,480</b>	<b>4,077</b>	<b>448</b>

<b>Emission Footprint (TCO2e)</b>	<b>5</b>
<i>Scope 2 Emissions (TCO2e)</i>	4
<i>Scope 3 Emissions (TCO2e)</i>	0

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
	0	0

*Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.*

## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Non-quantified emission sources

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, 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 event’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 event’s boundary, or from outsourced activities typically undertaken within the boundary for comparable events.

Emission associated with event preparation has been excluded as it has been assessed as not relevant according to the relevance test.

**Event Preparation:** Event preparation is done in-house at the City of Melbourne by staff who work across multiple events. Emissions from these activities are deemed to be too small to warrant measurement.

**Accommodation:** Emissions derived from accommodation for all skateboarding and water skiing competitors and their travelling parties are included as they are deemed to be induced by the event. Accommodation emissions for interstate or overseas visitors are not included as Moomba is considered to primarily attract a local audience. Any interstate or overseas travelers who attend Moomba are considered to do so additional to other travel motivations.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Electricity						Automatically deemed relevant
Attendee travel						Automatically deemed relevant
Food and drink						Automatically deemed relevant
Accommodation						Automatically deemed relevant

Waste	Yes	Yes	Yes	Yes	No	Yes
Water	Yes	No	No	Yes	No	Yes
Event preparation	No	Yes	No	No	No	No
Diesel for generators	No	Yes	Yes	Yes	No	Yes
Marketing & Advertising	No	No	Yes	Yes	No	Yes



An Australian Government Initiative

