



# **PUBLIC DISCLOSURE STATEMENT**

**THE UNIVERSITY OF QUEENSLAND  
BLUE ASSEMBLY EVENT  
18 FEBRUARY TO 25 JUNE 2022**

**PRE-EVENT REPORT**

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



NAME OF RESPONSIBLE ENTITY: THE UNIVERSITY OF QUEENSLAND

EVENT NAME: BLUE ASSEMBLY EVENT

EVENT DATE(S): 18 February to 25 June 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

Date 4/01/2022

Name of Signatory Mr Warren Mortlock

Position of Signatory Program Officer Environment and Sustainability



**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 occurrences of similar events has informed the preparation of this carbon inventory.

## 2. Event introduction

The University of Queensland (“UQ”) Sustainability strategy includes commitments to be a beyond carbon neutral university, to measure carbon emissions and mitigation by scope, and to maintain gross annual energy consumption below a 2019 baseline.

We are piloting a range of initiatives in 2022 as part of our work to reduce emissions. In first semester 2022, the University of Queensland Art Museum will be staging a major exhibition titled Blue Assembly (the event). The Blue Assembly Event will be certified as a carbon neutral event under the Climate Active certification, which is a first for UQ Art Museum and UQ. The event will be held at the University of Queensland Art Museum at the James and Mary Emelia Mayne Centre (St Lucia Campus) Brisbane from 18 February to 25 June 2022. It is estimated that approximately 16,660 people will attend the event. The event has not been run previously, but similar events have been held at the Art Museum.

## 3. Emissions reduction measures

We have identified sustainability initiatives that have the potential to reduce emissions for the Blue Assembly event as summarised in Table 1. These are based on workshops with the UQ Art Museum team and the Sustainability Team within Property and Facilities Department at UQ.

These emissions from the event are already very low due to UQ Art Museum sustainability initiatives and operational changes to reduce emissions over the last 5 years or more. It is possible to further reduce emissions from Blue Assembly and proposed activities may yield up to a 10 % reduction across the board in event emissions if applied consistently and well. As UQ Art Museum has direct control, there is a higher potential for emission reduction initiatives to be implemented.

## 4. Emissions boundary

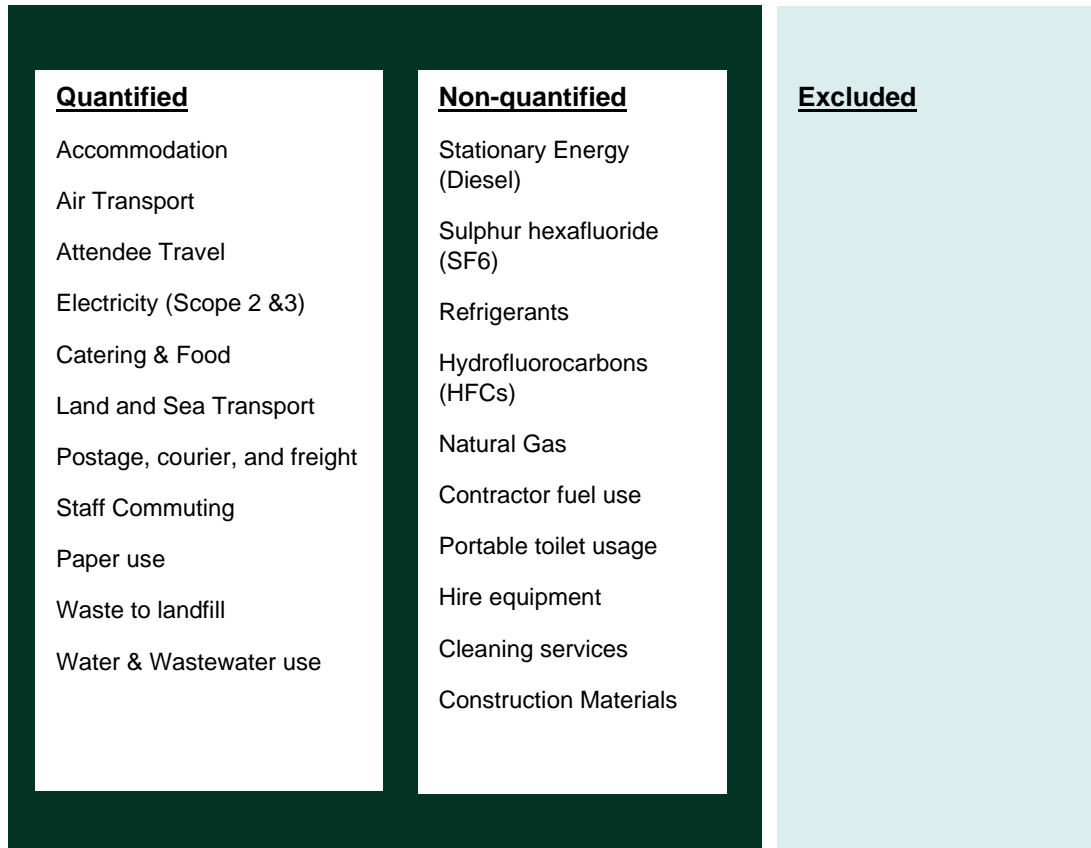
The event occurs at the Mayne Centre exhibition spaces which are directly managed by UQ Art Museum. The program of events on the day has not been determined in detail, but estimates are based on data available from previous exhibitions and public event programs.

The emissions boundary refers to the coverage and extent of the carbon account. The boundary is established by identifying the emissions that arise because of the event taking place.

Conservative boundary approaches that impact emissions calculation:

- all emissions from mounting the event, including bringing artworks to the Mayne Centre for staging Blue Assembly, are counted.
- all emissions from day-to-day running of the Mayne Centre during the event accrue to the event tally, though not all the floor space is taken up with the exhibit.
- all emissions from having the Mayne Centre open are incurred regardless of actual attendance figures

## Emission boundary Diagram



### Materiality assessment

An assessment was undertaken to determine the emissions that are deemed 'material' to the event and therefore should be quantified. As UQ has operational control of the entire event, and no remote sites or partner activities are planned, the materiality assessment focussed on:

- the likely magnitude of the emissions from a source.
- the significance to UQ and UQ Art Museum of counting that source.
- the difficulty of counting the source (practicality) and the effort and expense required.

It may be significant to UQ or UQ Art Museum that some emissions are included in the emissions boundary even though the impact on total emissions is minor or insignificant. This may be because:

- they are highly visible to attendees
- we are not sure how big they are
- they are emissions that UQ seeks to better understand
- they are emissions for which UQ wants to refine the approach to counting

**Table 1: Emissions Reduction Strategy for the Blue Assembly**

Emission Source	Reduction actions	Total Emissions tCO2e	Potential reduction %	Potential reduction tCO2e
Use of grid electricity	The Solar Power system at Mayne Centre runs the building except overcast days or at night. Energy efficient lighting installed & efficiently used on exhibits. Energy efficient sound equipment. Building management system efficiency tuning.	10.798	10%	1

Emission Source	Reduction actions	Total Emissions tCO2e	Potential reduction %	Potential reduction tCO2e
	Crowd management. Centre fountain turned off from 6pm to 6am.			
Business travel	Air travel & fleet vehicle use kept to a minimum. Promote public transport use by staff / artists	1.225	10%	0.12
Commuting by Staff	Promote public transport use / low emission modes by staff	6.61	10%	0.66
Event attendee travel	Actively promote public transport use by attendees/ low emission modes for attendance.	37.67	10%	3.8
Catering, food, and beverage	Zero meat meals offered. Small scale opening on outdoor site	1.61	10%	0.16
Freight, postage, and couriers	All exhibit packaging material is retained and reused. Other packaging is recycled.	1.466	5%	.70
Waste and recycling	Minimise disposable packaging at opening Encourage recycling with separate bins at opening event. Separate organics waste stream which is sent to composting	0.321	10%	0.03
Water use	Turn off the Mayne Centre Fountain 6pm to 6am	0.0084	5%	0
<b>TOTAL</b>				<b>6.47t</b>

## 5. Included emissions

The resulting greenhouse gas emissions boundary for the event is summarised in Table 2 – all these emissions will be counted.

## 6. Non quantified emissions

The greenhouse gas emissions sources listed in Table 3 are not quantified. A brief explanation of the justification is provided for each source.

## 7. Assumptions and limitations

Data used for the pre-event estimate was based on a combination of consultation with event organisers, use of emissions factors and emissions calculations. The following assumptions were made:

- attendee numbers will not be heavily influenced by COVID 19 requirements.
- relevant emissions factors in 2022 will not be greatly different to those used in 2021.
- commuting choices by staff will be similar to those of general UQ staff surveyed in 2018.
- commuting choices by attendees will be similar to those surveyed in September 2021.

**Table 2: GHG Emissions from the Blue Assembly by Scope – quantified**

Counted	Description (associated with the event)	Reason
Use of grid electricity	Grid electricity used in buildings, plant and equipment for heating, cooling, hot water, lighting, and equipment.	Required
Air travel	Business travel by air.	Required
Land & Sea Travel	Business travel by taxi, UBER (all means other than UQ Fleet).	Required
Transport fuel use	Business travel in UQ fleet vehicles.	Required
Business accommodation	Accommodation of invited artists at the event & staff.	Required
Staff Commuting	Commuting by staff to work by rail, bus, ferry, taxi, car.	Required
Attendee travel	Travel by people attending the event by rail, bus, ferry, taxi.	Required
Catering and food	Catering associated with the event.	Relevant
Freight and couriers	Air, sea, and land freight, associated with the event.	Relevant
Waste to landfill	Waste sent to landfill from the event.	Relevant
Paper consumption	Printer paper, washroom paper towel and tissue used event	Relevant
Water & wastewater use	Water use and wastewater treatment associated with the event.	Relevant

**Table 3: GHG Emissions from the Blue Assembly by Scope – immaterial (non quantified)**

Source	No Source On site	Uncertain Boundary	No Data	Poor Data	Immaterial <1% GHG	No Operational Control	Comment
Fuels - Transport	✓			✓	✓		Transport fuels were not tallied as very few trips using fleet vehicles are involved. An alternative approach was to count business travel by km and use an emissions factor/km travelled.
Fuels - Non-Transport		✓	✓		✓		No separable data for fuel use for garden/grounds maintenance. During power outage, emissions from backup generators on campus will be counted.
Sulphur hexafluoride	✓						No switchgear containing SF6
Refrigerants				✓	✓		Small domestic fridges. Rooftop HVAC system data not separately available yet.
Natural Gas	✓						No mains natural gas connection
Contractor fuel use	✓				✓	✓	No contractors used.
Portable toilets	✓						Portable toilets will not be used.
Attendees' accommodation	✓	✓		✓	✓	✓	Event is mainly visited by people from Brisbane and Southeast Queensland
Cleaning services					✓		Cleaning schedules are unchanged by the event
Hire equipment	✓				✓		No planned hire equipment

## 8. Emissions summary

Table 4 Emissions Summary

Emission source category	tonnes CO <sub>2</sub> -e
Electricity	10.798
Attendee Travel	37.67
Business Travel (Air and Land Transport)	0.463
Catering & Food	1.61
Staff Commuting	6.61
Water & Wastewater Use	0.017
Waste to landfill	0.169
Paper Use	0.059
Accommodation	0.473
Freight and couriers	1.466
<b>Total tCO<sub>2</sub>-e</b>	<b>59.333</b>
LGCs surrendered	10.798
<b>Total Net Emissions</b>	<b>47.535</b>

## 9. Carbon neutral products

No Climate Active carbon neutral products have been used within the certification boundary

## 10. Data collection

Table 5 Data collection

Emission source	Data collection method	Assumptions
Electricity	Grid electricity use metered at Mayne Centre. From Invoice records. Sum of all KWH of electricity used X emission factor for Scope 2 AND 3	The actual energy purchased by UQ under its power purchase arrangements may be from sources that vary from those used to derive the NGA Factors. Therefore, actual emissions may be lower than reported.
Accommodation	Records of overnight accommodation (type/ location/ duration/ date) associated with the event.	All travel is booked through the supplier – no leakage to other providers.
Business Travel by air	Predicted travel (city to city / kms/ travel type/ date and time) associated with the event.	All UQ air travel is booked through a single provider.
Business travel by fleet vehicles	Predicted travel ( kms/ travel type/ date and time) associated with the event.	UQ Art Museum Records are kept of these trips. UQ Art Museum encourages all event business travel via public transport and travel by invited artists and staff on event business using fleet vehicles is very minor. Therefore kms travelled X emission factor used in preference to fuel use by litres X emissions factor.
Business travel taxi & rideshare	Predicted travel associated with the event in kms	Predicted by taxi & rideshare kilometres X emissions factors from the 2018 survey*
Staff Commuting	Survey of (representative sample) of staff about their travel methods in 2018	Percentage of travel trips for separate travel modes (rail, bus, car, ferry and other means) and average kilometers travelled were taken from a 2018 campus travel survey*. Emissions factors reported in the 2018 survey were also used. An UQ Art Museum survey in September 2021 attracted 146 responses from prospective attendees. The data was not sufficient to use for calculations but did highlight differences between prospective attendees and the 2018 staff/student populations. These differences were not significant for the small staff attendance (15) at the event.
Attendee Commuting	Survey of (representative sample) of staff & students about their travel methods in 2018. Survey of attendees 2021 provided comparison data but was not sufficient alone to use for calculations.	Percentage of travel trips for separate travel modes (rail, bus, car, ferry and other means) and average kilometers travelled were taken from a 2018 campus travel survey*. COVID 19 affects travel patterns and travel may be restricted in 2022. Also, not all attendees come to campus just to visit the UQ Art Museum. Therefore, the calculation method is considered a conservative approach that over-estimates actual emissions.
Food	Emissions from previous event by catering category were calculated based on emissions factors in kg CO2-e/\$AUD. Pro rata emissions by category and attendance numbers yielded average emissions per attendee.	Invoice data from three previous event functions was used to estimate catering emissions for the opening event planned for Blue Assembly. The opening event is the only event. There is no food available outside of this event and food cannot be consumed in the public spaces of the Art Museum. No meat meals are served at UQ Art Museum events.
Freight	UQ Art Museum records of freight for art / exhibit pieces were used in the Pre-Event count. This includes from and to locations, weight, and carrier category.	Postage and couriers use is immaterial. Some art pieces will be returned, and freight is calculated for return trips for these items. Weight of most art pieces is unknown. The sea freight is advised to be 1.6 tonnes. Final weight confirmed on delivery.
Waste & Recycling	Waste volume and waste data as obtained from a survey of bin weights conducted in September 2021 to for staff waste streams.	Staff generated waste is separated in bins for general, comingled recyclables, composting (organics, toilet towel) and paper & cardboard (also recycled). Bins have been removed from public areas of the gallery



Waste from the opening event will be weighed but was estimated for the Pre-Event count

during COVID 19 and will not be replaced. Similarly, in public toilets paper towel has been replaced with air dryers - whose emissions are counted in electricity consumption) to reduce waste generation. All waste disposal occurs through the UQ contract – no leakage to other providers. Bin weights are assumed to be full, which is not always the case for recycled waste but usually the case for general waste. All organics/paper towel are collected in separate bins and are sent to composting.

\* 2018 UQ Commuter Travel Behavior and Associated Greenhouse Gas Emissions Dr Victoria Lambert and Associate Professor Kate O'Brien School of Chemical Engineering 18 January 2019.

### 11. Eligible offset units

A total of 12 Large Generator Certificates (LGCs) have been surrendered to offset the emissions from electricity use calculated above (10.798 tCO2e).

The remaining (non-electricity) emissions will be offset by purchase and surrender of Australian Carbon Credit Units (ACCUs). A total of 19 Australian Carbon Credits (ACCUs) have been purchased and surrendered. A further 29 ACCUs will be purchased shortly. Some 44 tCO2e is predicted to come from travel to and from the event by staff and attendees. This is a sensitive emission and may be impacted by covid, changes since 2018 in travel behaviour and popularity of the exhibition. A final reconciliation will be required to adjust surrender of ACCUs to match event emissions.

### Offsets summary

Table 6: Offset and LGC Surrender summary

Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)
EOP100180. LGI Limited Capture and Combustion of Landfill Gas from Willawong Landfill Project	KACCU	ANREU	26/11/2021	8,334,305,211 to 8,334,305,229	2021	19
Mugga Lane Landfill Gas Upgrade Project	KACCU	ANREU	1/02/2022	8,338,865,197 to 8,338,865,231	2021	35
Voluntary surrender of Large Generator Certificates Offer ID: 4957	LGCs	CER REC Registry	03/12/2021	See attached	2013	12
Total offsets cancelled						54
Total LGC cancelled						12

## 12. Use of certification trademark


Table 4: Trademark register

Description where trademark used	Logo type
Website ( <a href="https://art-museum.ug.edu.au/">https://art-museum.ug.edu.au/</a> )	[Certified event]
Promotional poster	[Certified event]
Event invitations	[Certified event]


## Attachments.

### Attachment 1 – Evidence of ACCU purchase and Surrender

Change Password
Contact Us
Log Out
Help



**Australian National Registry of Emissions Units**



Australian Government  
Clean Energy Regulator

Logged in as: Jane Brimblecombe / Industry User

#### Transaction Details

Transaction details appear below.

Transaction ID	AU20458
Current Status	Completed (4)
Status Date	26/11/2021 14:32:20 (AEDT) 26/11/2021 03:32:20 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	North, Jessica Catherine
Transaction Approver	Brimblecombe, Jane Hunter
Comment	19 ACCUs voluntarily cancelled on behalf of Arcadia Energy Trading Pty Ltd

#### Transferring Account

Account Number	AU-1114
Account Name	LGI Limited
Account Holder	LGI Limited

#### Acquiring Account

Account Number	AU-1068
Account Name	Australia Voluntary Cancellation Account
Account Holder	Commonwealth of Australia

#### Transaction Blocks

Party	IType	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Safeguard Project #	Vintage	Expiry Date	Serial Range	Quantity
AU	K-ACCU	Voluntary ACCU Cancellation			<a href="#">EOP100180</a>				2021-22		8,334,305,211 - 8,334,305,229	19

Logged in as: Jessica North / Industry User

- ANREU Home
- Account Holders
- Accounts
- Unit Position Summary
- Projects
- Transaction Log
- CER Notifications
- Public Reports
- My Profile

**Transaction Details**

Transaction details appear below.

Transaction ID	AU21147
Current Status	Completed (4)
Status Date	01/02/2022 10:57:12 (AEDT) 31/01/2022 23:57:12 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	North, Jessica Catharine
Transaction Approver	Emblecombe, Jane Hunter
Comment	35 ACCUs voluntarily surrendered for Arcadis on behalf of UQ.

**Transferring Account**

Account Number	AU-1114
Account Name	LGI Limited
Account Holder	LGI Limited

**Acquiring Account**

Account Number	AU-1088
Account Name	Australia Voluntary Cancellation Account
Account Holder	Commonwealth of Australia

**Transaction Blocks**

Block	Type	Transaction Type	Original CP	Current CP	EBE Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Social Damage	Quantity
AU	KZCCU	Voluntary ACCU Cancellation			<a href="#">EBE134653</a>					2021-22		8,338,865,197 - 8,338,865,231	35

**Transaction Status History**

Status Date	Status Code
01/02/2022 10:57:12 (AEDT) 31/01/2022 23:57:12 (GMT)	Completed (4)
01/02/2022 10:57:12 (AEDT) 31/01/2022 23:57:12 (GMT)	Proposed (1)
01/02/2022 10:57:12 (AEDT) 31/01/2022 23:57:12 (GMT)	Account Holder Approved (97)
01/02/2022 10:57:12 (AEDT) 31/01/2022 23:57:12 (GMT)	Awaiting Account Holder Approval (95)

## Attachment 2 – Evidence of LGC Voluntary Surrender



The Clean Energy Regulator has accepted the following voluntary surrender offer:

Account: The University of Queensland

Offer ID: 4957

Surrender type: Voluntary

Number of certificates: 12 LGC(s)

Date of offer: 26/11/2021

Date of acceptance: 03/12/2021

Reason for voluntary surrender: Altruistic purposes

Clean Energy Regulator note: Offer ID: 4957 has been accepted by the Clean Energy Regulator on 03/12/2021

These certificates have been invalidated due to voluntary surrender.

Yours sincerely

REC Registry

[www.reeregistry.gov.au](http://www.reeregistry.gov.au)

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