



# **PUBLIC DISCLOSURE STATEMENT**

**NATIONAL THROWS CENTRE OF  
EXCELLENCE  
PRODUCT CERTIFICATION (AS BUILT)**

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



NAME OF CERTIFIED ENTITY	Stadiums Queensland ABN 53 690 873 374
REPORT TYPE/ PERIOD	1 November 2022 Construction complete, as built certification.
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>Signature here</i></p> <p>Todd Harris Chief Executive Officer, Stadiums Queensland Date 28 August 2023</p>



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

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Version November 2022. To be used for FY20/21/CY2021 reporting onwards.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	251 tCO <sub>2</sub> -e
THE OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	Date – 6/6/2023 Name – Mylene Turban Organisation Name – Pangolin Associates
THIRD PARTY VALIDATION	Type - 3 Date – 05/05/2023 Name – Deepali Ghadge Organisation Name – Pangolin Associates



## 2. CARBON NEUTRAL INFORMATION

### Stadiums Queensland

Stadiums Queensland (SQ) is a statutory authority responsible for developing, managing, operating and promoting major sport and event facilities in Queensland. It's portfolio of 9 venues have a combined asset replacement value of over \$3.7 billion and make a significant contribution to the social, economic, cultural, and physical well-being of the community.

SQ's purpose is to provide amazing experiences and opportunities through world class venues, enriching and connecting Queensland communities. To support this, SQ has developed an Environment, Social and Governance Plan which outlines its goals and priorities for environmental stewardship, social responsibility, and related governance. It's six ESG goals will ensure:

- Venue precincts are vibrant, engaging and promote liveable communities.
- Venues are globally renowned for their safety, resilience, inclusion and environmental leadership.
- Venues attract, support and encourage sustainable events at all levels, from grassroots to global events.
- High-performance and community facilities inspire excellence and promote inclusion and well-being.
- SQ is a role model for ESG performance, reflecting a culture of sustainable thinking and continual improvement.
- SQ collaborates for impact and inspires action across the sport, entertainment and event sectors.

SQ's ESG goals will be achieved through targeted actions to address 10 key interrelated priorities: energy, climate change, water, biodiversity, inclusion and diversity, Indigenous engagement, health and well-being, sustainable sourcing and resource management, placemaking and enhancing integration with governance and decision-making.

### Description of certification

The upfront carbon emissions for the construction of the National Throws Centre of Excellence, is net zero emissions in accordance with the Climate Active Guideline: Building Upfront Carbon V1:2022. The National Throws Centre is a new purpose-built facility to cater for the training needs of the Australian throwing athletes.

Delivering a carbon neutral construction program for the National Throws Centre supports SQ's ESG goals and priorities, particularly regarding climate change and sustainable sourcing. It provides a robust, transparent and third-party verified framework to assess, manage and compensate GHG emissions related to project delivery.

The carbon inventory includes emissions calculated for stages A1 – A5 for the whole development.

### Product description

The National Throws Centre of Excellence is a single-storey building, 755m<sup>2</sup> GFA, with covered training facilities for all-weather training for throwing athletes. The centre includes:

- Three (3) shotput throwing circles
- Two (2) Javelin runways
- Hammer and Discus throwing cage

Construction commenced on 1 May 2022 with Practical Completion achieved on 25 November 2022

The functional unit for the project is sqm of Gross Floor Area (GFA) of the constructed facilities – national Throws Centre of Excellence. The emissions intensity (emissions per functional unit) for this development is 0.332 tonnes CO<sub>2</sub> - e/sqm.

The Guideline: Building Upfront Carbon provides coverage for all construction emissions treating the completed building as the product and the emissions boundary encompassing cradle to gate, where the gate is the delivery of the completed base building.

### 3. EMISSIONS BOUNDARY

#### **Inside the emissions boundary**

The emissions boundary includes product stages A1 to A5 as per EN15804.

#### **Outside the emissions boundary**

This certification excludes emissions related to the ongoing operation of the building.

The emission sources in the boundary diagram below are as per the emissions categories in the emission summary table (in section 4).

## Inside emissions boundary

### Quantified

The upfront carbon assessment includes the following:

Embodied emissions in construction materials incorporated into the pavilion (substructure, structure and finishes), throwing facilities (shotput circles, javelin runway and throwing cage) and site works (throwing fields, road and footpath access) (A1-3).

Transport of materials to the construction site (A4)

Construction energy (A5):

- *Electricity*
- *Diesel*
- *Petroleum*

Construction waste (A5)

### Non-quantified

Existing facilities

### Optionally included

None

## Outside emission boundary

### Non-attributable

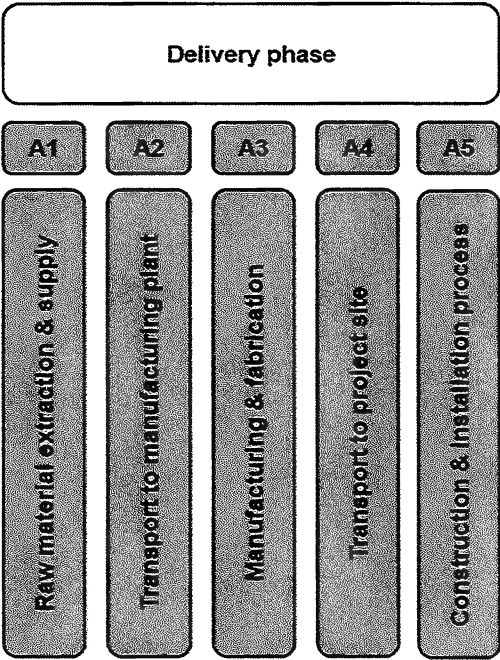
Building operations (B6)

Building refurbishment or maintenance during operational lifetime (B1-7)

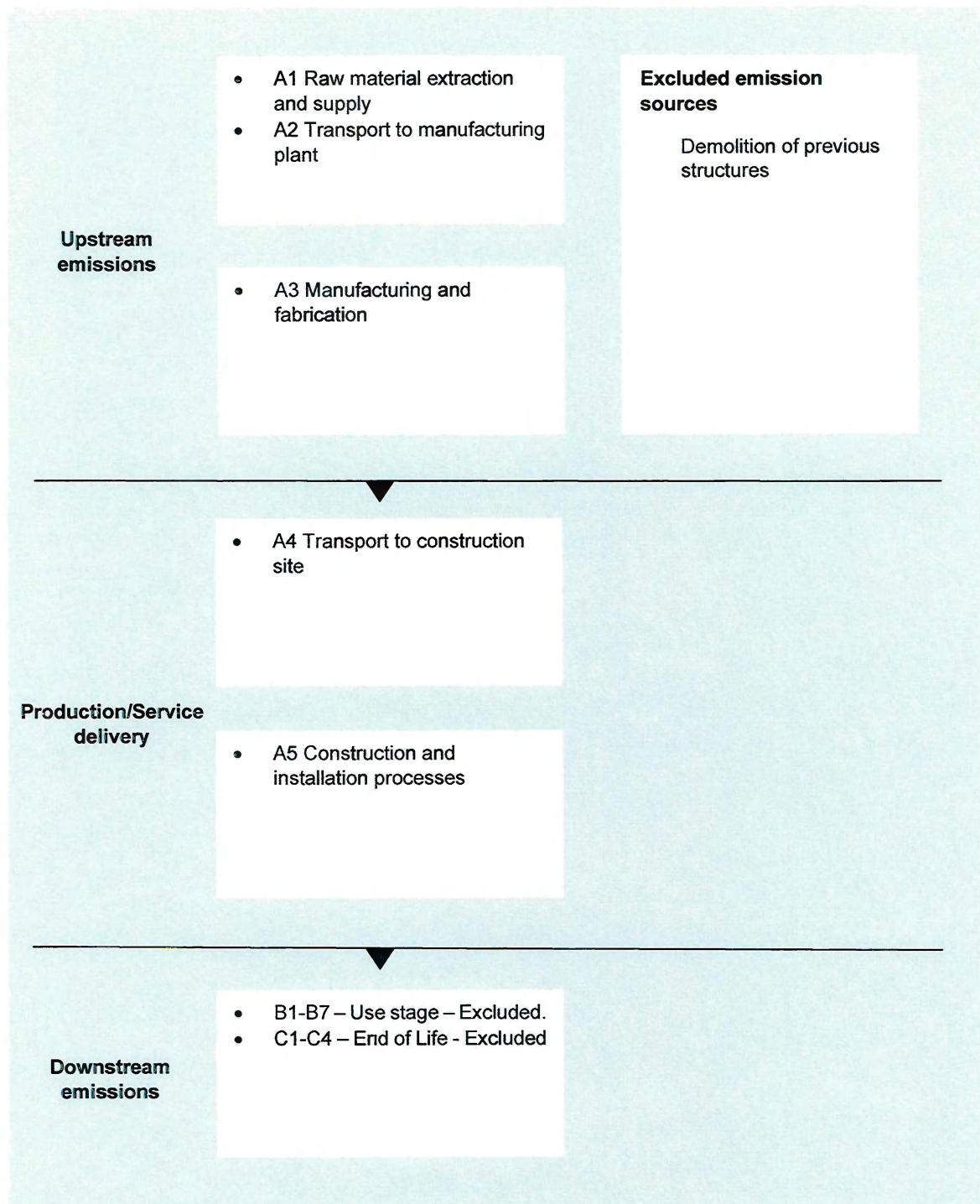
Demolition at end of life (C1-4)

**Product process diagram**

Cradle-to-gate where achievement of practical completion of the project marks the “gate”, lifecycle stages A1 to A5 as per EN15978.







## **Data management plan for non-quantified sources**

Not applicable



## 4. EMISSIONS REDUCTIONS

### Project emissions reduction strategies

The design of the National Throws Centre of Excellence has been guided by the objective to minimise building lifecycle emissions recognising that decisions made to manage upfront emissions can shape markets for recycled and low-carbon goods and services, influence operational efficiencies and emissions, and generally improve the amenity and comfort for facility users, for example improved natural light and air quality.

The upfront emissions reductions strategies include:

- Prioritising;
  - lower carbon emissions materials
    - Cross-laminated Timber (CLT) was used as an alternative to structural steel
    - Concrete mixes with high levels of Supplementary Cementitious Materials (SCMs) were used, when concrete was required
  - Renewable materials
    - Cross-laminated Timber (CLT) was used as the primary structure of the facility
  - Recycled materials
- Requiring EPD's for all major building elements

The operational emissions reductions include:

- Fully naturally ventilated training facilities;
- Polycarbonate façade for improved natural light penetration
- LED lighting fixtures where artificial lighting is required

### Climate Active carbon neutral products and services

Not Applicable

## 5. EMISSIONS SUMMARY

### Emissions summary

This certification is for a completed development with emissions calculated from product specific emission intensity information for construction materials and the bill of quantities determined on completion. Emissions from electricity use and fuels used on the construction site have been calculated using purchase record quantities and emission factors from the National Greenhouse Factors.

The functional unit for the project is sqm of Gross Floor Area (GFA) of the constructed National Throws Centre of Excellence. The emissions intensity (emissions per functional unit) for this development is 0.332 tonnes CO<sub>2</sub> - e/sqm.

Stage	Actual tCO <sub>2</sub> -e
Stage A1-A3	158.6
Stage A4	31.8
Stage A5	60.4
<b>Emissions intensity per functional unit</b>	0.332
<b>Number of functional units offset (m<sup>2</sup>)</b>	755
<b>Total emissions offset</b>	250.8 tCO <sub>2</sub> e

## 6. CARBON OFFSETS

### Offsets retirement approach

Stadium Queensland (SQ) sought to ensure the carbon offsetting required for the National Throws Centre project delivered optimal local benefits for Queensland. To do this, SQ sourced 100% Australian Carbon Credit Units (ACCUs) from Queensland-based native forest regeneration projects in the Burnett Mary Catchment area. These projects are delivered by Revive the Reef Australia and focus on innovative land management practices that result in additional carbon sequestration.

1. Total emissions footprint to offset for this report	251 tonnes CO <sub>2</sub> e
2. Total offsets retired in design (commitment) PDS	N/A

**3. Total offsets required      251 tonnes CO<sub>2</sub>e  
for this report**

## **Co-benefits**

In addition to carbon sequestration, these projects also deliver a range of other social, environmental, and economic benefits to Queensland. These benefits include:

- Enhanced water retention and reduced run-off from the properties into waterways. This helps to improve water quality on the Reef, which along with global warming, represent the two greatest threat to long-term Reef health. Reducing nutrient run-off also helps mitigate contributing factors to other issues threatening the Reef, such as crown-of-thorn starfish outbreak.
- Promotion of local biodiversity and overall health of associated ecosystems. By allowing native bush to regenerate, the project provides habitat and resources for a diverse range of plant and animal species.
- Alternative sources of income for residents of rural communities.

Overall, these projects provide a valuable example of how carbon offsetting can be used to deliver multiple benefits for the environment and local communities.



## Eligible offsets retirement summary

Offsets cancelled for Climate Active Carbon Neutral Certification										
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 (%)
Revegetation and protection of native forests and wetlands throughout the Great Barrier Reef catchment, QLD	ACCUs	ANREU	1 Jun 2023	2018-19		251	0	0	251	100%
Total offsets retired this report and used in this report										
251										
Total offsets retired this report and banked for future reports										
0										
Total offsets retired this report and banked for future reports										
0										
Percentage of total										
100%										
251										
0										
0										
0										
0										
0										

# 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)*	N/A
2. Other RECs	N/A

\* 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 REC purchase	Eligible units	Registry	Surrender date	Accreditation code (LGCs)	Certificate serial number	Generation year	Quantity (MWh)	Fuel source	Location
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N/A

Total LGCs surrendered this report and used in this report
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## APPENDIX A: ADDITIONAL INFORMATION

# EVIDENCE

# RETIREMENT CONFIRMATION

**OFFSET REF 1:** Australian National Register of Emission Units  
**How to Register:**  
ENB, 177,302,733 - 3,777,302,963



Australian Government  
Clean Energy Regulator

## Australian National Registry of Emissions Units

**ENBU Status**

- Account History
- Account
- Unit Withdraw Summary
- Projects
- Transaction Log
- CER Withdrawals
- Active Projects
- My Profile

### Transaction Details

Transaction details appear below.

Transaction ID	Amount
4627041	Completed: 4
Service Date	2016/02/23 14:47:39 AEST
	2016/02/23 14:47:39 GMT
Transaction Type	Cancellation (U)
Emission Unit Issuer	Dalrymple Harbour
Transaction Approval	Country: Australia
Comments	Retired on behalf of Dalrymple Government to achieve Climate Action goal and Carbon Neutral Commitment for the National Treasury Certificate of Assistance at the Queensland Capital Markets Centre

**Sponsoring Account**

Account Number	Account Name
NZ 1234	Tasman Environmental Services Australia Pty Ltd
Account Holder	Tasman Environmental Services Australia Pty Ltd

**Receiving Account**

Account Number	Account Name
AU 1000	Australia Voluntary Cancellation Account
Account Holder	Commonwealth of Australia

**Transaction Details**

Date	ID#	Transaction Type	Original CER	Current CER	ENE Offset (tCO <sub>2</sub> e)	NEUE Offset (tCO <sub>2</sub> e)	NEUE Project Name	Neutroprint	Project Project ID	Offset	Expiry Date	Serial Number	Offset
Aug	ENBU1	Offsetting NEUE Cancellation			100,000.00	100,000.00				100,000.00	2016-08	9,777,302,733 - 9,777,302,963	291

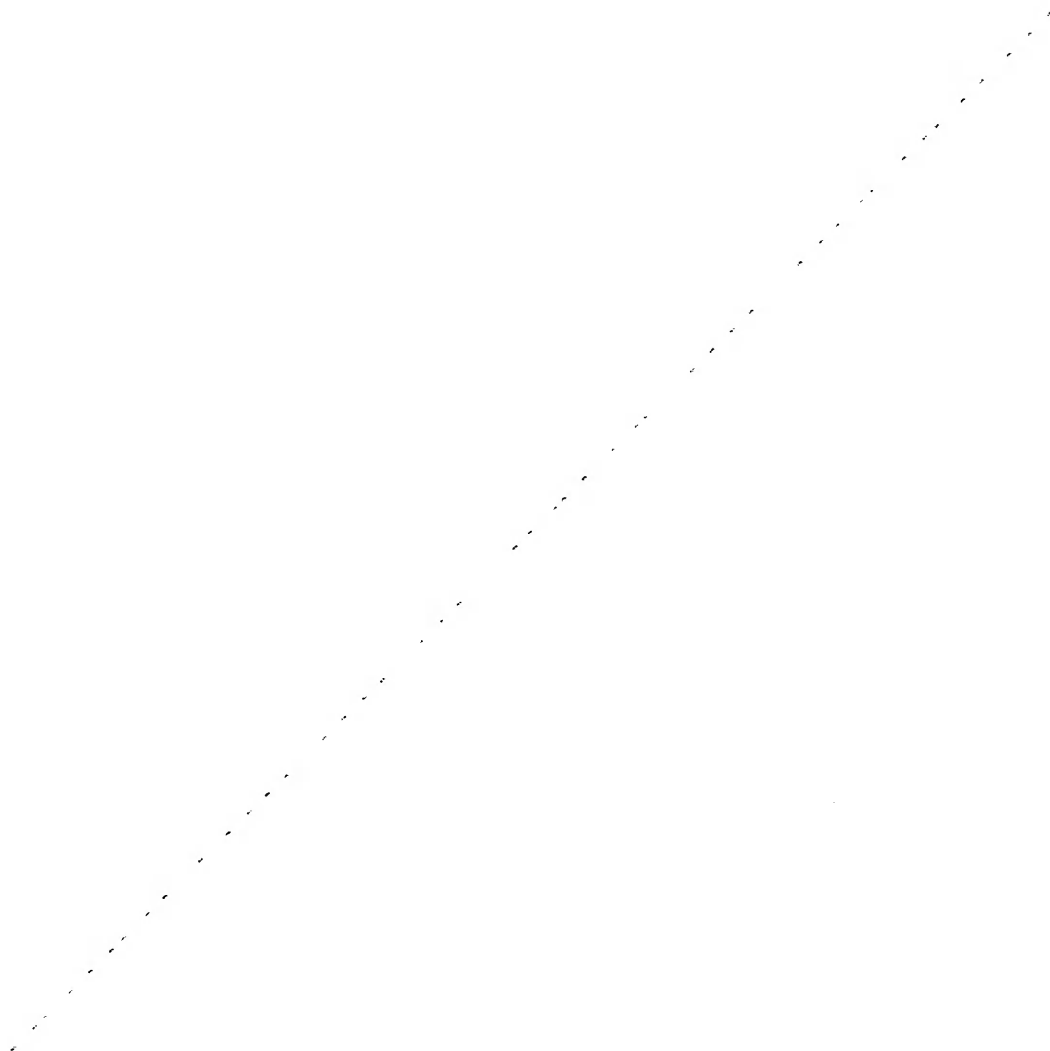
Transactions are recorded by the system.



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## APPENDIX B: ELECTRICITY SUMMARY

Not applicable as Etool was used during calculations.



## APPENDIX C: INSIDE EMISSIONS BOUNDARY

Emissions as described earlier within the boundary of phases A1 to A5 of the building construction project.





## APPENDIX D: OUTSIDE EMISSION BOUNDARY

The Guideline: Upfront Carbon for Building has been developed specifically to recognise boundaries that unique to the built environment.

This certification is for a new development incorporating the base building of an office building as previously described. Emissions associated with future management of the building and use of the building by future occupants are excluded.



An Australian Government Initiative

