PUBLIC DISCLOSURE STATEMENT

BARANGAROO

PRECINCT CERTIFICATION

FY2023–24

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Barangaroo
REPORTING PERIOD	1 July 2023 – 30 June 2024 Arrears report
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.* Camy Kinloch Development Director Barangaroo, Infrastructure NSW 04/11/2025

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

Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	19,027 tCO_2-e
CARBON OFFSETS USED	95.35% ACCUs and 4.65% VERs
RENEWABLE ELECTRICITY	90.82%
CARBON ACCOUNT	Prepared by: Lendlease & Crown Sydney
TECHNICAL ASSESSMENT	18/12/2024 Pangolin Associates Next technical assessment due: FY27

Contents

2. CERTIFICATION INFORMATION

Description of precinct certification

This precinct certification is for the Barangaroo Precinct ("Barangaroo") which comprised three main areas: Barangaroo Reserve, Barangaroo South and Central Barangaroo.

The responsible entity for this precinct certification is Infrastructure New South Wales, ABN 85 031 302 516.

This Public Disclosure Statement includes information for FY2023-24 reporting period.

Precinct geographical boundary

Barangaroo Reserve is a six-hectare waterfront park located at the headland of the northern end of Barangaroo. The park was delivered by the NSW Government and opened in August 2015 in addition to expansive lawns and landscaped areas, lookouts, walking and cycle paths, and tidal rock pools. More recently, Marrinawi Cove, situated at the northern end of the Reserve, was opened to the public for swimming. Barangaroo Reserve also comprises the Cutaway, an expansive, underground event space, and a 300-space underground car park. Plans are underway to deliver a new cultural facility within the Cutaway, including internal alterations and fit-out of the existing void to deliver a multi-level, multi-functional space capable of catering to a range of events, exhibitions and activations.

Barangaroo South is a mixed-use neighbourhood which accommodates commercial office buildings, residential apartments, shops, cafes, restaurants and a resort hotel. The precinct features generous public domain areas, including a public cove, public open space, wide pedestrian friendly walkways, trees and landscaping and public realm areas that interface with the harbour, city, and broader Barangaroo Precinct. The site is serviced by a central basement, housing a district cooling plant (DCP) with harbour heat rejection, a recycled water treatment plant (RWTP) and other shared infrastructure including loading docks, waste and recycling transfer and storage facilities and a bicycle storage hub with end of trip facilities.

The development of Barangaroo South commenced in 2012 and currently comprises International Towers 1, 2 and 3 (Buildings T1, T2 and T3), Anadara and Alexander (Buildings R8 and R9), International House (Building C2), Daramu House (Building C1), Barangaroo House (Building R1), Exchange Place (Building R7), One Sydney Harbour Residences One (Building R4a[1]) and Crown Sydney Resort. The total Gross Floor Area (GFA) of the operational portion as at end of Financial Year 2024 is approximately 462,698m^2.

The first stage of the development of Barangaroo South is complete, with significant infrastructure already delivered that contribute to meeting climate positive targets, carbon neutrality and achieving world class benchmarks in energy efficiency and sustainability. The delivery of stage two is well under way with Crown Sydney Resort completed in December 2020 and One Sydney Harbour's three high-rise residential

[1] The vast majority of the building was completed by the end of the reporting period, with remaining construction works limited to the penthouses. As occupants were granted access to most of the building in March 2024, related operational data has been captured and included in FY23-24 reporting.

apartment buildings (R4a, R4b and R5) being completed in stages throughout 2024. At full build out Barangaroo South is expected to have a total building GFA of approximately 535,000m^2.

Central Barangaroo sits between Barangaroo Reserve and Barangaroo South and will deliver cultural, civic and community outcomes that will enrich the character and experience of the precinct, fulfill the NSW Government's commitment to delivering 50% public open space across the 22-hectare precinct, and complete the sweep of experiences along Sydney CBD's western waterfront. The 5.2-hectare site will contain three hectares of unparalleled public space for recreation, events, and entertainment, including a 1.85-hectare park (Harbour Park) situated on the water's edge which is planned for construction in 2025. Until then, the NSW Government is delivering temporary community uses and activations within the Harbour Park area. Central Barangaroo will connect community, civic and cultural spaces, and attractions with residential, retail, and commercial uses. While Barangaroo has become part of the fabric of the broader Sydney CBD, it is of such a scale that it has become a significant community precinct, with an estimated residential and worker population of around 20,000 people, plus an estimated 18 million visitors annually. Barangaroo and the broader precinct will be supported by a new Metro Station, which commenced operation in August 2024.

The NSW Government owns the land at Barangaroo. Infrastructure NSW is the NSW Government agency responsible for overseeing the development and management of the Precinct on behalf of the State Government. Place Management NSW oversees the operation and management of its public spaces. In the context of Barangaroo's Carbon Neutral certification under the Climate Active Carbon Neutral Standard (CACNS) for Precincts, Infrastructure NSW, in conjunction with Barangaroo South developer Lendlease Millers Point (LLMP) and Sydney Crown Resort, are responsible for preparing the current carbon account, purchasing eligible offset units, and maintaining the relevant reports for the Precinct's carbon neutral claim.

Infrastructure NSW oversees the delivery of the Precinct, including the delivery and ongoing operation of precinct wide initiatives relating to sustainability. Lendlease and Crown Sydney Resort as ground lessees and developers of Barangaroo South, have responsibilities to report on both base building, central infrastructure, and tenant operational emissions as these relate to the CACNS reporting boundary.

The geographic boundary of the precinct is the main criterion for defining the emission sources within the certification boundary. Figure 1 illustrates the broad extent of the Barangaroo Precinct. Table 1 defines the current operational area of Barangaroo considered in this Climate Active certification. Other buildings within Barangaroo are not yet complete in the current reporting period.

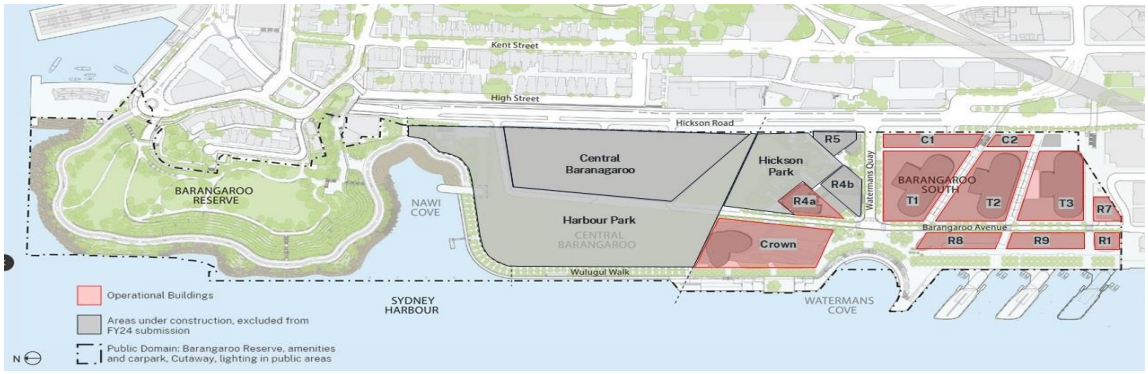


Figure 1 Highlighted areas illustrate the current operational buildings of Barangaroo.

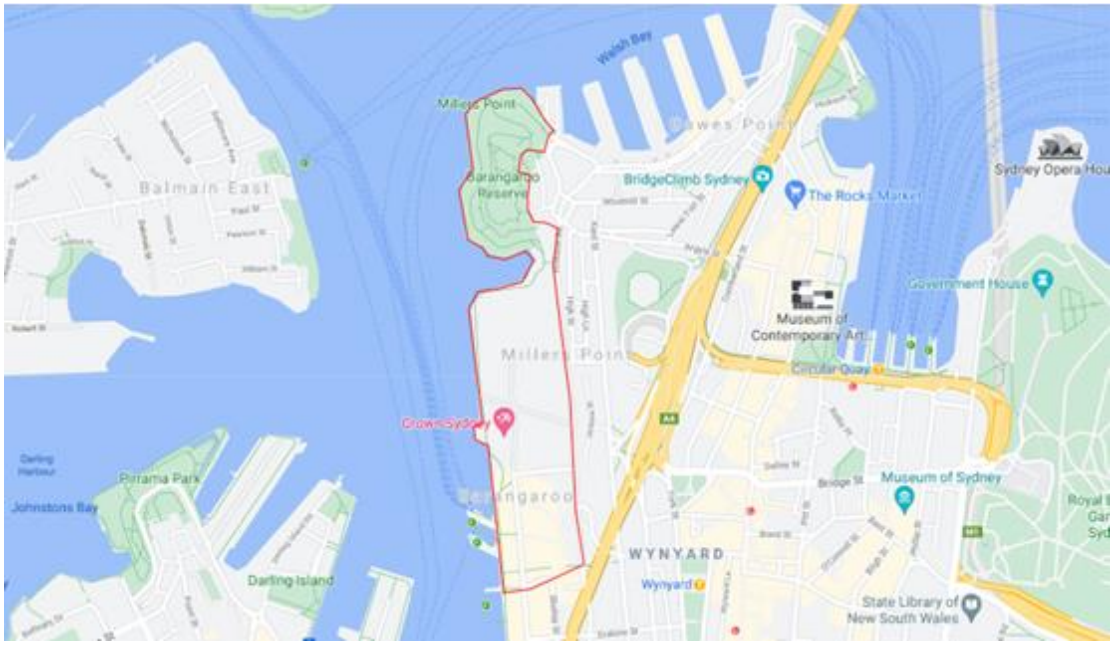


Figure 2 Barangaroo Precinct geographical boundary

Table 1 Summary of buildings within Barangaroo completed and operational

Building	Reporting Period									Operational Date
	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	
Public Domain	✔	✔	✔	✔	✔	✔	✔	✔	✔	June 2015
Basement	✔	✔	✔	✔	✔	✔	✔	✔	✔	June 2015
International Tower 1 (T1)		✔	✔	✔	✔	✔	✔	✔	✔	October 2016
International Tower 2 (T2)	✔	✔	✔	✔	✔	✔	✔	✔	✔	June 2015
International Tower 3 (T3)	✔	✔	✔	✔	✔	✔	✔	✔	✔	May 2016
Anadara & Alexander (R8 & R9)	✔	✔	✔	✔	✔	✔	✔	✔	✔	November 2015
Exchange Place (R7)		✔	✔	✔	✔	✔	✔	✔	✔	October 2016
International House (C2)		✔	✔	✔	✔	✔	✔	✔	✔	May 2017
Barangaroo House (R1)			✔	✔	✔	✔	✔	✔	✔	December 2017
Daramu House (C1)					✔	✔	✔	✔	✔	September 2019
Crown Sydney Resort						✔	✔	✔	✔	December 2020
One Sydney Harbour Residences One (R4a)									✔	February 2024

3. EMISSIONS BOUNDARY

Emission sources relevant to the Barangaroo Precinct have been identified in accordance with the Climate Active Carbon Neutral Standard for Precincts. The principles of geographic boundary, precinct operations, relevance and materiality have been applied to determine whether emissions sources are to be included in the carbon account. Where emissions are considered non quantifiable or an allowable exclusion, this has been clearly stated and justified against this set of criteria.

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 certified entity, 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 a precinct'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

- Diesel
- Petrol
- Natural Gas
- Liquefied Petroleum Gas
- Refrigerants
- Fugitive emissions from Recycled Water Treatment Plant
- Electricity
- Land and Sea Transport
- Working From Home
- Waste
- Water

Non-quantified

- Barangaroo Management Office:
  - Stationary Energy
  - Electricity
  - Water
  - Waste
- Land and sea transport (intra-precinct transport)

Optionally included

N/A

Outside emission boundary

Excluded

- Office equipment and supplies
- Food
- Air transport (Business-related travel)
- Land and sea transport (Visitors)
- Events temporary generation

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

The NSW Government has a long-standing commitment for the Barangaroo Precinct to be a world-class sustainable and Climate Positive Development. NSW Government, Lendlease, Crown Sydney Resort and CleanPeak Energy have been working together to deliver on this shared commitment, which is embedded in the contract between parties, and involves initiatives to being carbon neutral, water positive, working towards zero waste, and providing community wellbeing now and in the long term. To date this commitment has required a holistic approach by:

- Maximising energy efficiency within the buildings and associated infrastructure;
- Maximising the use of onsite renewables;
- Allocating monies for the establishment of a community carbon fund; and
- Setting operational carbon budgets and targets.

Through the collaborative efforts of the NSW Government, the precinct developers, suppliers and tenants, we continue to invest in our precinct-wide sustainability infrastructure programs and develop new technologies and education campaigns to reach our energy, waste, water and carbon emission targets. A number of strategies to reduce emissions within the precinct are outlined below.

- **Barangaroo Metro Station** – Barangaroo Metro Station forms part of Transport for NSW's (TfNSW) Sydney Metro City and Southwest rapid transit scheme. The Metro station is scheduled to open in 2024 and will provide an additional mode of public transport connecting Barangaroo to the Greater Sydney region. Note, the Metro Station is not within the precinct's operation emissions boundary.
- **Lendlease Mission Zero –** In August 2020, Lendlease set a target to be a '1.5°C aligned company[2]', committing to Net Zero Carbon for Scope 1 and 2 by 2025 and Absolute Zero Carbon by 2040. The Absolute Zero target requires eliminating all emissions from Lendlease operations within Lendlease defined boundaries, including Scope 3 emissions generated indirectly from Lendlease's activities, without the use of carbon offsets. Feasibility studies and roadmaps are being developed to phase out the fossil-fuel based plant and equipment within the buildings managed by Lendlease Investment Management within Barangaroo South precinct by 2040.
- **Tenant Engagement** – Tenant energy and water analysis reports have been developed for commercial and retail tenants of Barangaroo to provide insights to facilitate efficiency improvements.
- **Shared Services –** Barangaroo's shared services, located in the basement of Barangaroo, have three critical pieces of infrastructure related to energy, water and waste reduction;
    - The District Cooling Plant (DCP) delivers chilled water to each building, leveraging diversity within the precinct to maximise the efficiency of the plant, benefiting all of the buildings within the precinct. As well as this, the use of harbour heat rejection removes the

[2] https://www.lendlease.com/missionzero/

need for cooling towers on the rooves of each building, freeing up space for solar panels and significantly reducing the volume of water consumption within the precinct,

- the Recycled Water Treatment Plant (RWTP) is capable of capturing, storing, treating and processing all water used on site. Volumes of wastewater treated will continue to increase as other buildings within the Barangaroo precinct become operational. At full capacity the plant will be capable of treating up to 1 million litres per day, which is more water than the precinct uses.
- Organic Waste Management: In October 2020, Goterra commissioned the first commercial Modular Infrastructure for Biological Services (MIB) in Barangaroo. The MIB unit is located in the precinct basement and utilises black soldier fly larvae to convert food waste into high quality, sustainable insect protein and soil enhancer whilst preventing organic waste emissions.

- **Crown Sydney –** Crown Sydney Resort located at north of Barangaroo precinct start operation in FY21, below are the reduction initiatives implemented in FY2023-24:
  - Crown commits to reduce measured scope 1 and scope 2 emissions by 15% by 2026 from a 2023 baseline. Crown also commits to net zero scope 1 and scope 2 emissions by 2050. The emission targets are based on absolute emissions reduction.
  - Hotel room energy optimisation will be completed during 2024-2025 timeframe. This initiative is expected to reduce hotel energy consumption by more than 5%.
  - Updated carpark lighting controls to function efficiently based on occupancy sensors.
  - Targeted building control system projects to optimise energy use from heating, cooling, and ventilation operations.
  - Completed a comprehensive review of the boiler operation strategy, and identified opportunities to reduce natural gas usage.
  - Ongoing energy optimisation projects implementation throughout the property using smart analytics.

Emissions reduction actions

This section outlines the key actions that have reduced emissions in this reporting period:

- **Renewable Electricity:** The Precinct uses 90.82% renewable electricity in total (grid and non-grid), including a combination of renewable power from the grid, on-site solar generation and purchase of large-scale generation certificates (LGCs) to account for all electricity consumed within the precinct, aside from Crown Sydney Resort whose policy is to use high-quality Australian nature-based offsets to achieve carbon neutrality.
- **Building Services Advanced Analytics:** During FY21 to FY22 CIM building analytics has been rolled out across all the commercial buildings within the Barangaroo precinct. This was following a successful 6-month trial on Tower 1 during FY21 which cemented the benefits of having data driven solutions to achieve energy and water efficiencies.
- **Detailed Tenant energy & Water reporting:** Energy and water reporting is provided to the tenants within the commercial buildings to reduce consumption and drive down emissions. Some tenants have been provided detailed 15-minute profile consumption in order to identify usage patterns that may not be necessary i.e. after hours energy spikes, always on loads, etc.
- **Waste re-education:** As the buildings return to a more business as usual operating rhythm the commercial towers have refocused on educating tenants on the best practices on minimising waste to landfill. Tours of the waste facilities take place once a month offering people the chance to explore Barangaroo's waste facility's and be shown first-hand where their waste is processed. Along with this, the commercial towers have a tenant app called Amica that have the sustainability initiatives and activities across the precinct, including waste management disposal education.
- **Work From Home:** Although the number of employees attending the precinct has rebounded since the COVID—19 impacted years, a 'new normal' of hybrid working is in place, meaning the average number of employees per square meter of office space that are present for 5 days a week is lower when compared with FY19 and earlier. This is naturally accounted for within energy and water usage data, and has also been factored into the reported emissions, through a reduction in transport emissions, counteracted by an allowance for emissions associated with employees working from home.

5.EMISSIONS SUMMARY

Emissions over time

This section compares emissions over time between the base year and current year. In accordance with the Standard, the base year will be revised as subsequent parts of the Barangaroo precinct commence operation and become occupied. The base year has been revised to FY20, which reflects the same built-out area considered in this year's report.

Crown Sydney Resort located in Barangaroo South commenced operations in FY21. A restatement of the FY21 emissions was made to include Crown's operational emissions in FY21.

Emissions since base year			
		Total tCO_2-e (without uplift)	**Total tCO_2-e** (with uplift)
Base year/Year 1:	FY2019–2020	9,083	N/A
Base year/Year 1 (restated):	FY2019–2020	8,985	N/A
Year 2 (restated):	FY2020–2021	10,730	N/A
Year 3	FY2021–2022	13,302	N/A
Year 4	FY2022–2023	24,118	N/A
Year 5	FY2023–2024	19,027	N/A

Significant changes in emissions

Significant changes in emissions			
Emission source	**Previous year emissions** ($t CO_2$-e)	**Current year emissions** ($t CO_2$-e)	**Reason for change**
Electricity (market-based method, scope 2)	8,249.38	4,729.82	Due to change in Crown's business conditions: Closure of restaurant and/ reduction in operating hours.
Natural Gas NSW/ACT (metro) (GJ)	5,270.84	4,227.19	Closure of a floor of Casino. Reduction in business volume. Reduction in the workforce. Positive impact from update to HVAC control strategy and ongoing optimisation to reduce energy consumption.

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)
Electricity	0.00	4,729.82	583.92	5313.75
Refrigerants	262.31	0.00	0.00	262.31
Stationary Energy (gaseous fuels)	5,610.40	0.00	1426.28	7036.68
Stationary Energy (liquid fuels)	35.64	0.00	9.22	44.87
Transport (Land and Sea)	0.00	0.00	3320.66	3320.66
Waste	0.00	0.00	1411.88	1411.88
Water	132.85	0.00	372.02	504.87
Working from home	0.00	0.00	1,131.28	1131.28
Total emissions (tCO_2-e)	6,041.21	4,279.82	**8255.27**	**19026.30**

Note: The Precinct uses 90.82% renewable electricity in total (grid and non-grid. The residual electricity's emissions have been offset by Crown Sydney Resort whose policy is to use high-quality Australian nature-based offsets to achieve carbon neutrality.

Uplift factors

N/A.

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

6. CARBON OFFSETS

Eligible offsets retirement summary

This certification has taken an in-arrears offsetting approach. The total emission to offset is 19,027 t CO_2-e. The total number of eligible offsets used in this report is 19,027, of which 18,142 are Australian Carbon Credit Units (ACCUs) and 885 are Gold Standard VER. Of the total eligible ACCUs used, 7,650 were previously banked and 12,565 were newly purchased and retired. 2,073 are remaining and have been banked for future use.

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Australian Carbon Credit Units (ACCUs)	18,142	95.35%
Gold Standard VER^	885	4.65%

^ Gold Standard VERs are retired by Cleanaway on Behalf of the Barangaroo precinct to offset all emissions associated with their operational waste management contracts at Barangaroo. This evidence of the retirement of these offsets under the waste management contract was appended separately in previous reporting but is now included in the offset retirement summary in this and future reports for greater transparency.

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
Urana Regeneration Project	ACCU	ANREU	10/12/2024	3,790,995,723 - 3,790,996,097	2019-20	375	0	0	375	1.97%
Bendena Human-Induced Regeneration Project	ACCU	ANREU	10/12/2024	8,325,312,269 - 8,325,317,268	2020-21	5,000	0	0	5,000	26.28%
Bimbijy Station Regeneration Project	ACCU	ANREU	10/12/2024	8,322,367,787 - 8,322,374,976	2020-21	7,190	0	0	7,190	37.79%
Kilcowera and Zenonie Forest Regeneration Project	ACCU	ANREU	24/08/2023	8,351,948,667 - 8,351,960,666	2022-23	12,000	4,350	2,073	5,577	29.31%

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
Manaus Landfill Gas Project	Gold Standard VER	Gold Standard	9/12/2024	GS1-1-BR-GS11728-5-2023-27165-141708-142017	2023	310	0	0	310	1.63%
Manaus Landfill Gas Project	Gold Standard VER	Gold Standard	24/10/2024	GS1-1-BR-GS11728-5-2023-27165-132415-132989	2023	575	0	0	575	3.02%

Co-benefits

Infrastructure NSW and the building owners in the Barangaroo precinct aspire to support local NSW renewable energy projects through the purchase and retirement of large-scale generation certificates (LGCs) for purchased electricity emissions. The Precinct uses 90.82% renewable electricity in total (grid and non-grid), including a combination of renewable power from the grid, on-site solar generation, and purchase of large-scale generation certificates (LGCs). The residual electricity emissions have been offset by Crown Sydney Resort whose policy is to use high-quality Australian nature-based offsets to achieve carbon neutrality.

Furthermore, Infrastructure NSW, Lendlease and Crown Sydney Resort will seek to support offset projects that provide additional social and environmental outcomes. There is a preference to procure Australian Carbon Credit Units (ACCUs) for Scope 1 and 3 residual emissions.

1. Urana Regeneration Project, Queensland.

   This project establishes permanent native forests through assisted regeneration from in-situ seed sources (including rootstock and lignotubers) on land that was cleared of vegetation and where regrowth was suppressed for at least 10 years prior to the project having commenced.

2. Bendena Human-Induced Regeneration Project, Queensland.

   This project establishes permanent native forests through assisted regeneration from in-situ seed sources (including rootstock and lignotubers) on land that was cleared of vegetation and where regrowth was suppressed for at least 10 years prior to the project having commenced.

3. Bimbijy Station Regeneration Project, Western Australia.

   This project establishes permanent native forests through assisted regeneration from in-situ seed sources (including rootstock and lignotubers) on land that was cleared of vegetation and where regrowth was suppressed for at least 10 years prior to the project having commenced.

4. Kilcowera and Zenonie Forest Regeneration Project, Queensland.

   This project establishes permanent native forests through assisted regeneration from in-situ seed sources (including rootstock and lignotubers) on land that was cleared of vegetation and where regrowth was suppressed for at least 10 years prior to the project having commenced.

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)*	45,742

* 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 LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Chillamurra Solar NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS70	6504 - 7339	2023	Solar	836
Chillamurra Solar NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS70	5829 - 6503	2023	Solar	675
Chillamurra Solar NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS70	5024 - 5828	2023	Solar	805
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	418 - 471	2023	Solar	54
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	368 - 417	2023	Solar	50

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	317 - 367	2023	Solar	51
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	272 - 316	2023	Solar	45
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	237 - 271	2023	Solar	35
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	212 - 236	2023	Solar	25
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	191 - 211	2023	Solar	21
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	162 - 190	2023	Solar	29
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	125 - 161	2023	Solar	37
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	77 - 124	2023	Solar	48

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	21 - 76	2023	Solar	56
CleanPeak Energy - Griffin Plaza - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSA2	1 - 20	2023	Solar	20
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	1 - 113	2024	Solar	113
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	1051 - 1175	2023	Solar	125
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	937 - 1050	2023	Solar	114
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	810 - 936	2023	Solar	127
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	699 - 809	2023	Solar	111
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	621 - 698	2023	Solar	78
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	561 - 620	2023	Solar	60
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	506 - 560	2023	Solar	55

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	436 - 505	2023	Solar	70
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	358 - 435	2023	Solar	78
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	244 - 357	2023	Solar	114
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	127 - 243	2023	Solar	117
Singleton Square "Solar" NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSD6	1 - 126	2023	Solar	126
Beryl Solar Farm - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSI1	59328 - 59895	2023	Solar	568
Beryl Solar Farm - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSI1	106530 - 108157	2023	Solar	1628
Beryl Solar Farm - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSI1	84206 - 85926	2023	Solar	1721
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	1 - 32	2024	Solar	32
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	259 - 293	2023	Solar	35

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	230 - 258	2023	Solar	29
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	196 - 229	2023	Solar	34
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	168 - 195	2023	Solar	28
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	146 - 167	2023	Solar	22
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	130 - 145	2023	Solar	16
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	117 - 129	2023	Solar	13
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	98 - 116	2023	Solar	19
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	77 - 97	2023	Solar	21

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	50 - 76	2023	Solar	27
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	25 - 49	2023	Solar	25
CleanPeak Energy - Tamworth Square - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSK4	1 - 24	2023	Solar	24
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	1 - 38	2024	Solar	38
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	247 - 287	2023	Solar	41
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	211 - 246	2023	Solar	36
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	171 - 210	2023	Solar	40
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	139 - 170	2023	Solar	32
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	133 - 138	2023	Solar	6
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	127 - 132	2023	Solar	6

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	112 - 126	2023	Solar	15
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	93 - 111	2023	Solar	19
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	67 - 92	2023	Solar	26
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	35 - 66	2023	Solar	32
Lake Macquarie Fair - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSM1	1 - 34	2023	Solar	34
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1 - 233	2024	Solar	233
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	2138 - 2390	2023	Solar	253
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1911 - 2137	2023	Solar	227
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1651 - 1910	2023	Solar	260

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1438 - 1650	2023	Solar	213
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1270 - 1437	2023	Solar	168
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1134 - 1269	2023	Solar	136
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1014 - 1133	2023	Solar	120
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	857 - 1013	2023	Solar	157
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	703 - 856	2023	Solar	154
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	495 - 702	2023	Solar	208
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	257 - 494	2023	Solar	238

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Bateau Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSP3	1 - 256	2023	Solar	256
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	1 - 144	2024	Solar	144
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	1204 - 1354	2023	Solar	151
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	1073 - 1203	2023	Solar	131
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	928 - 1072	2023	Solar	145
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	805 - 927	2023	Solar	123
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	700 - 804	2023	Solar	105
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	629 - 699	2023	Solar	71

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	553 - 628	2023	Solar	76
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	473 - 552	2023	Solar	80
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	390 - 472	2023	Solar	83
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	275 - 389	2023	Solar	115
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	142 - 274	2023	Solar	133
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	1 - 141	2023	Solar	141
CleanPeak Energy - Salamander Bay - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSR9	1281	2022	Solar	1
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	669 - 761	2023	Solar	93

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	589 - 668	2023	Solar	80
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	498 - 588	2023	Solar	91
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	426 - 497	2023	Solar	72
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	370 - 425	2023	Solar	56
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	327 - 369	2023	Solar	43
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	289 - 326	2023	Solar	38
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	239 - 288	2023	Solar	50
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	147 - 184	2023	Solar	38
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	92 - 146	2023	Solar	55
Lake Macquarie Fair Solar PV NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSV9	1 - 91	2023	Solar	91
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	35 - 40	2023	Solar	6

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	32 - 34	2023	Solar	3
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	28 - 31	2023	Solar	4
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	26 - 27	2023	Solar	2
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	22 - 25	2023	Solar	4
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	18 - 21	2023	Solar	4
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	13 - 17	2023	Solar	5
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	7 - 12	2023	Solar	6
BRIGHT PRINT - SOLAR w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSX7	1 - 6	2023	Solar	6
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	1 - 47	2024	Solar	47
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	479 - 544	2023	Solar	66
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	425 - 478	2023	Solar	54

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	364 - 424	2023	Solar	61
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	313 - 363	2023	Solar	51
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	279 - 312	2023	Solar	34
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	254 - 278	2023	Solar	25
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	233 - 253	2023	Solar	21
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	207 - 232	2023	Solar	26
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	171 - 206	2023	Solar	36
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	123 - 170	2023	Solar	48
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	64 - 122	2023	Solar	59
CleanPeak Energy - Orange - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ0	1 - 63	2023	Solar	63
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1928 - 2147	2023	Solar	220

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1730 - 1927	2023	Solar	198
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1499 - 1729	2023	Solar	231
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1292 - 1498	2023	Solar	207
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1139 - 1291	2023	Solar	153
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1005 - 1138	2023	Solar	134
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	891 - 1004	2023	Solar	114
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	746 - 890	2023	Solar	145
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	596 - 745	2023	Solar	150

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	414 - 595	2023	Solar	182
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	216 - 413	2023	Solar	198
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1 - 215	2023	Solar	215
CleanPeak Energy - Campbelltown - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ1	1860	2022	Solar	1
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	1 - 105	2024	Solar	105
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	1084 - 1205	2023	Solar	122
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	985 - 1083	2023	Solar	99
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	854 - 984	2023	Solar	131

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	736 - 853	2023	Solar	118
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	646 - 735	2023	Solar	90
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	567 - 645	2023	Solar	79
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	500 - 566	2023	Solar	67
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	413 - 499	2023	Solar	87
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	331 - 412	2023	Solar	82
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	229 - 330	2023	Solar	102
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	117 - 228	2023	Solar	112

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	1 - 116	2023	Solar	116
CleanPeak Energy - Carnes Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ2	1084 - 1085	2022	Solar	2
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	1 - 135	2024	Solar	135
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	1225 - 1375	2023	Solar	151
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	1090 - 1224	2023	Solar	135
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	935 - 1089	2023	Solar	155
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	809 - 934	2023	Solar	126
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	717 - 808	2023	Solar	92
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	638 - 716	2023	Solar	79
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	574 - 637	2023	Solar	64

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	488 - 573	2023	Solar	86
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	401 - 487	2023	Solar	87
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	283 - 400	2023	Solar	118
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	146 - 282	2023	Solar	137
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	1 - 145	2023	Solar	145
CleanPeak Energy - Bass Hill - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ4	1293 - 1294	2022	Solar	2
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	866 - 970	2023	Solar	105
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	769 - 865	2023	Solar	97
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	660 - 768	2023	Solar	109
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	560 - 659	2023	Solar	100
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	496 - 559	2023	Solar	64

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	437 - 495	2023	Solar	59
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	393 - 436	2023	Solar	44
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	333 - 392	2023	Solar	60
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	270 - 332	2023	Solar	63
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	190 - 269	2023	Solar	80
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	97 - 189	2023	Solar	93
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	1 - 96	2023	Solar	96
CleanPeak Energy - Goulburn - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNSZ5	850 - 851	2022	Solar	2
Edenvale Solar Park - Solar - QLD	QLD, Australia	LGC	REC Registry	2024	SRPVQLW5	236598 - 240051	2023	Solar	3454
Tabulam and Templar Homes for Aged – Solar wSGU – VIC	VIC, Australia	LGC	REC Registry	2024	SRPVVCS8	88 - 99	2023	Solar	12
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	600 - 661	2022	Solar	62

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	1 - 84	2024	Solar	84
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	742 - 826	2023	Solar	85
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	668 - 741	2023	Solar	74
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	581 - 667	2023	Solar	87
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	507 - 580	2023	Solar	74
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	446 - 506	2023	Solar	61
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	401 - 445	2023	Solar	45
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	361 - 400	2023	Solar	40
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	309 - 360	2023	Solar	52
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	248 - 308	2023	Solar	61
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	171 - 247	2023	Solar	77

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	89 - 170	2023	Solar	82
CleanPeak Energy - Dubbo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS14	1 - 88	2023	Solar	88
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	964 - 1084	2023	Solar	121
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	856 - 963	2023	Solar	108
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	721 - 855	2023	Solar	135
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	597 - 720	2023	Solar	124
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	536 - 596	2023	Solar	61
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	478 - 535	2023	Solar	58

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	398 - 477	2023	Solar	80
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	319 - 397	2023	Solar	79
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	220 - 318	2023	Solar	99
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	115 - 219	2023	Solar	105
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	1 - 114	2023	Solar	114
CleanPeak Energy - Highlands - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNS23	1078 - 1079	2022	Solar	2
South Western Logistics - 0.3595MW - Solar w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNSC8	88 - 109	2023	Solar	22
South Western Logistics - 0.3595MW - Solar w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNSC8	65 - 87	2023	Solar	23

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
South Western Logistics - 0.3595MW - Solar w SGU - NSW	NSW, Australia	LGC	REC Registry	2024	SRPXNSC8	37 - 64	2023	Solar	28
Kyabram and District Health Services - Solar - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVC08	250 - 280	2023	Solar	31
Iceland Cold Storage 282.6 kW - Solar - Vic	VIC, Australia	LGC	REC Registry	2024	SRPXVC67	299 - 336	2023	Solar	38
Iceland Cold Storage 282.6 kW - Solar - Vic	VIC, Australia	LGC	REC Registry	2024	SRPXVC67	261 - 298	2023	Solar	38
Iceland Cold Storage 282.6 kW - Solar - Vic	VIC, Australia	LGC	REC Registry	2024	SRPXVC67	226 - 260	2023	Solar	35
WWHS Nhill Hospital - Solar - Vic	VIC, Australia	LGC	REC Registry	2024	SRPXVC92	118 - 129	2023	Solar	12
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	150 - 177	2023	Solar	28
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	125 - 149	2023	Solar	25
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	102 - 124	2023	Solar	23
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	91 - 101	2023	Solar	11

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	88 - 90	2023	Solar	3
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	85 - 87	2023	Solar	3
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	79 - 84	2023	Solar	6
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	71 - 78	2023	Solar	8
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	59 - 70	2023	Solar	12
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	39 - 58	2023	Solar	20
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	15 - 38	2023	Solar	24
PFIZER MELBOURNE B7 - SOLAR - VIC	VIC, Australia	LGC	REC Registry	2024	SRPXVCB3	1 - 14	2023	Solar	14
Gunning Wind Farm - NSW	NSW, Australia	LGC	REC Registry	2024	WD00NS07	128080 - 128174	2022	Wind	95
White Rock Wind Farm - NSW	NSW, Australia	LGC	REC Registry	2024	WD00NS12	27687 - 33276	2023	Wind	5590
White Rock Wind Farm - NSW	NSW, Australia	LGC	REC Registry	2024	WD00NS12	373272 - 373314	2023	Wind	43

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Silverton Wind Farm - NSW	NSW, Australia	LGC	REC Registry	2024	WD00NS14	42958 - 44207	2022	Wind	1250
Crudine Ridge Wind Farm - Wind - NSW	NSW, Australia	LGC	REC Registry	2024	WD00NS18	108620 - 109716	2022	Wind	1097
Murra Warra Wind Farm Stage 2 - VIC	VIC, Australia	LGC	REC Registry	2024	WD00VC46	413408	2023	Wind	1
Murra Warra Wind Farm Stage 2 - VIC	VIC, Australia	LGC	REC Registry	2024	WD00VC46	442878 - 452855	2023	Wind	9978
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2022	SRPVNS58	199-216[3]	2022	Solar	18
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2022	SRPVNS58	217	2022	Solar	1
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2022	SRPVNS58	218-251	2022	Solar	34
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2022	SRPVNS58	252-332	2022	Solar	81
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2022	SRPVNS58	333-453	2022	Solar	121

[3] All LGCs generated from the rooftop solar farm at Barangaroo (Accreditation Code SRPVNS58) are surrendered exclusively for the benefit of the Barangaroo Precinct.
The REC registry lists this block of LGCs as 154-216. The remaining LGCs (154-198) in question were allocated for the FY23 claim. During the preparation of the FY23 inventory, it was noted that the allocation of rooftop LGCs had not been documented in the FY23 PDS. Therefore, all necessary LCGs were retrospectively allocated during the preparation of the FY24 inventory to ensure the integrity of the FY23 claim and avoid double-counting of the rooftop LCGs.

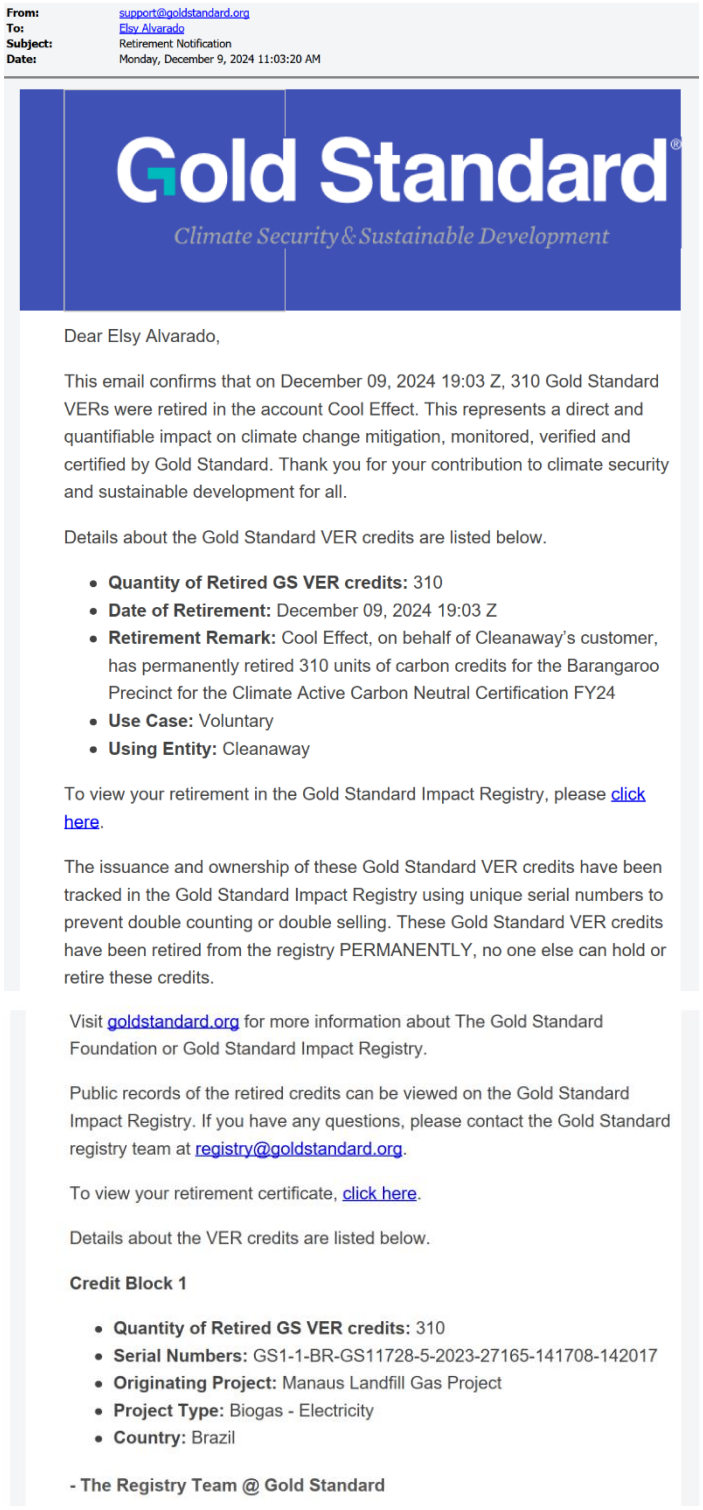
Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	473-483	2022	Solar	11
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	484-496	2022	Solar	13
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	497-502	2022	Solar	6
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	1-102	2023	Solar	102
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	103-192	2023	Solar	90
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	193-266	2023	Solar	74
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	267-314	2023	Solar	48
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	315-360	2023	Solar	46
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	361-396	2023	Solar	36
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	397-440	2023	Solar	44
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	441-501	2023	Solar	61

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	502-588	2023	Solar	87
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	589-693	2023	Solar	105
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	694-785	2023	Solar	92
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2023	SRPVNS58	786-879	2023	Solar	94
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	880	2023	Solar	1
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	881-896	2023	Solar	16
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	1 - 98	2024	Solar	98
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	99-174	2024	Solar	76
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	175-253	2024	Solar	79
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	254-309	2024	Solar	56
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	310-345	2024	Solar	36

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	346-364	2024	Solar	19
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	365-371	2024	Solar	7
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	372-408	2024	Solar	37
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	409-457	2024	Solar	49
Barangaroo - Solar - NSW	NSW, Australia	LGC	REC Registry	2024	SRPVNS58	458-533	2024	Solar	76
								Total LGCs surrendered this report and used in this report	**45,742**

APPENDIX A: ADDITIONAL INFORMATION

1. **Waste Offsets (retired by Cleanaway)** (Offset details are not included in the table in Section 6).



From: support@goldstandard.org
To: Elsy Alvarado
Subject: Retirement Notification
Date: Monday, December 9, 2024 11:03:20 AM

Gold Standard®
Climate Security & Sustainable Development

Dear Elsy Alvarado,

This email confirms that on December 09, 2024 19:03 Z, 310 Gold Standard VERs were retired in the account Cool Effect. This represents a direct and quantifiable impact on climate change mitigation, monitored, verified and certified by Gold Standard. Thank you for your contribution to climate security and sustainable development for all.

Details about the Gold Standard VER credits are listed below.

- **Quantity of Retired GS VER credits:** 310
- **Date of Retirement:** December 09, 2024 19:03 Z
- **Retirement Remark:** Cool Effect, on behalf of Cleanaway's customer, has permanently retired 310 units of carbon credits for the Barangaroo Precinct for the Climate Active Carbon Neutral Certification FY24
- **Use Case:** Voluntary
- **Using Entity:** Cleanaway

To view your retirement in the Gold Standard Impact Registry, please click here.

The issuance and ownership of these Gold Standard VER credits have been tracked in the Gold Standard Impact Registry using unique serial numbers to prevent double counting or double selling. These Gold Standard VER credits have been retired from the registry PERMANENTLY, no one else can hold or retire these credits.

Visit goldstandard.org for more information about The Gold Standard Foundation or Gold Standard Impact Registry.

Public records of the retired credits can be viewed on the Gold Standard Impact Registry. If you have any questions, please contact the Gold Standard registry team at registry@goldstandard.org.

To view your retirement certificate, click here.

Details about the VER credits are listed below.

Credit Block 1

- **Quantity of Retired GS VER credits:** 310
- **Serial Numbers:** GS1-1-BR-GS11728-5-2023-27165-141708-142017
- **Originating Project:** Manaus Landfill Gas Project
- **Project Type:** Biogas - Electricity
- **Country:** Brazil

- The Registry Team @ Gold Standard

From: support@goldstandard.org
To: Elsy Alvarado
Subject: Retirement Notification
Date: Thursday, October 24, 2024 3:19:56 PM

Gold Standard®

Climate Security & Sustainable Development

Dear Elsy Alvarado,

This email confirms that on October 24, 2024 22:19 Z, 575 Gold Standard VERs were retired in the account Cool Effect. This represents a direct and quantifiable impact on climate change mitigation, monitored, verified and certified by Gold Standard. Thank you for your contribution to climate security and sustainable development for all.

Details about the Gold Standard VER credits are listed below.

- **Quantity of Retired GS VER credits:** 575
- **Date of Retirement:** October 24, 2024 22:19 Z
- **Retirement Remark:** Cool Effect, on behalf of Cleanaway's customer, Crown Sydney Resort, has permanently retired 575 units of carbon credits for the Barangaroo Precinct for the FY2024 Climate Active Carbon neutral claim.
- **Use Case:** Voluntary
- **Using Entity:** Cleanaway

To view your retirement in the Gold Standard Impact Registry, please click here.

The issuance and ownership of these Gold Standard VER credits have been tracked in the Gold Standard Impact Registry using unique serial numbers to prevent double counting or double selling. These Gold Standard VER credits have been retired from the registry PERMANENTLY, no one else can hold or retire these credits.

Visit goldstandard.org for more information about The Gold Standard Foundation or Gold Standard Impact Registry.

Public records of the retired credits can be viewed on the Gold Standard Impact Registry. If you have any questions, please contact the Gold Standard registry team at registry@goldstandard.org.

To view your retirement certificate, click here.

Details about the VER credits are listed below.

Credit Block 1

- **Quantity of Retired GS VER credits:** 575
- **Serial Numbers:** GS1-1-BR-GS11728-5-2023-27165-132415-132989
- **Originating Project:** Manaus Landfill Gas Project
- **Project Type:** Biogas - Electricity
- **Country:** Brazil

- The Registry Team @ Gold Standard

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	106,573	0	0%
Total non-grid electricity	**106,573**	**0**	**0%**
LGC Purchased and retired (kWh) (including PPAs)	45,741,724	0	72%
GreenPower	34,412	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
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)	11,887,803	0	19%
Residual Electricity	5,839,281	5,313,746	0%
Total renewable electricity (grid + non grid)	**57,770,511**	**0**	**91%**
Total grid electricity	**63,503,220**	**5,313,746**	**91%**
Total electricity (grid + non grid)	**63,609,793**	**5,313,746**	**91%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**5,839,281**	**5,313,746**	
Scope 2	5,197,602	4,729,818	
Scope 3 (includes T&D emissions from consumption under operational control)	641,679	583,928	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**90.82%**
Mandatory	**18.69%**
Voluntary	**71.96%**
Behind the meter	**0.17%**
Residual scope 2 emissions (t CO_2-e)	**4,729.82**
Residual scope 3 emissions (t CO_2-e)	**583.93**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**4,729.82**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**583.93**
Total emissions liability (t CO_2-e)	**5,313.75**

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)**
NSW	63,503,220	63,503,220	43,182,189	3,175,161	0	0
Grid electricity (scope 2 and 3)	**63,503,220**	**63,503,220**	**43,182,189**	**3,175,161**	**0**	**0**
NSW	106,573	106,573	0	0		
Non-grid electricity (behind the meter)	**106,573**	**106,573**	**0**	**0**		
Total electricity (grid + non grid)	**63,609,793**					

Residual scope 2 emissions (t CO_2-e)	**43,182.19**
Residual scope 3 emissions (t CO_2-e)	**3,175.16**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**43,182.19**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**3,175.16**
Total emissions liability	**46,357.35**

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. 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.
3. **Data unavailable** Data is unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

Relevant non-quantified emission sources	Justification reason
Barangaroo Management Office activities including: - Stationary Energy - Electricity - Water - Waste	Immaterial
Land and sea transport (intra-precinct transport)	Immaterial

Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this precinct's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. 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 precinct'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 precinct'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 precinct's boundary, or from outsourced activities typically undertaken within the boundary for comparable precincts.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Office equipment and supplies	N	N	N	N	N	**Size:** The emissions source is likely to be immaterial compared to the total emissions from the precinct. **Influence:** INSW does not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the precinct. **Outsourcing:** INSW has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.
Food and beverage	N	N	N	N	N	**Size:** The emissions source is likely to be immaterial compared to the total emissions from the precinct. **Influence:** INSW does not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the precinct. **Outsourcing:** INSW have not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.
Events temporary generation	N	N	N	N	N	**Size:** The emissions source is likely to be immaterial compared to the total emissions from the precinct. **Influence:** INSW has limited indirect influence over the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the precinct.

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
						Outsourcing: INSW has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.
Business-related Travel	N	N	N	N	N	**Size:** The emissions source is likely to be immaterial compared to the total emissions from the precinct. **Influence:** INSW do not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the precinct. **Outsourcing:** INSW has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.
Visitor Commute	N	N	N	N	N	**Size:** The emissions source is likely to be immaterial compared to the total emissions from the precinct. **Influence:** INSW do not have the potential to influence the emissions from this source. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for the precinct. **Outsourcing:** INSW has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary.

An Australian Government Initiative

Climate Active