



PUBLIC DISCLOSURE STATEMENT

**REAL UTILITIES (FRASERS PROPERTY
AUSTRALIA)**

**PRODUCT CERTIFICATION
OCT 2022 – SEP 2023**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Real Utilities (Frasers Property Australia)
REPORTING PERIOD	01 October 2022 – 30 September 2023 Arrears report
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>DocuSigned by:  6F991254491A422...</p> <p>Anita Hoskins General Manager Real Utilities Date: 20-May-2024</p>



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

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Version March 2023.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	27,421 tCO ₂ -e
THE OFFSETS USED	100% CERs
RENEWABLE ELECTRICITY	31.24%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	14/4/2023 Pangolin Associates Next technical assessment due: FY2025

Contents

- 1. Certification summary 3
- 2. Carbon neutral information 4
- 3. Emissions boundary 6
- 4. Emissions reductions 9
- 5. Emissions summary 11
- 6. Carbon offsets 12
- 7. Renewable Energy Certificate (REC) summary 15
- Appendix A: Additional information 21
- Appendix B: Electricity summary 22
- Appendix C: Inside emissions boundary 26
- Appendix D: Outside emission boundary 27

2. CARBON NEUTRAL INFORMATION

Description of certification

Real Utilities are implementing embedded networks in various Frasers Property Australia and Frasers Property Industrial developments. All electricity and gas provided by Real Utilities will be certified carbon neutral under the Climate Active Standard. The developments will typically be strata-owned residential, retail or mixed use however may also include business parks and industrial estates.

Real Utilities is a licensed energy retailer, wholly owned by Frasers Property Australia, one of Australia's largest diversified property companies. Real Utilities value proposition is to provide cheaper, greener, simpler energy to residents and businesses within Frasers Property's developments. Figure 1 presents the company structure diagram to clearly define the link between Frasers Property Australia and Real Utilities.

The methods used for collating data, performing calculations and presenting the carbon account are in accordance with the following standards:

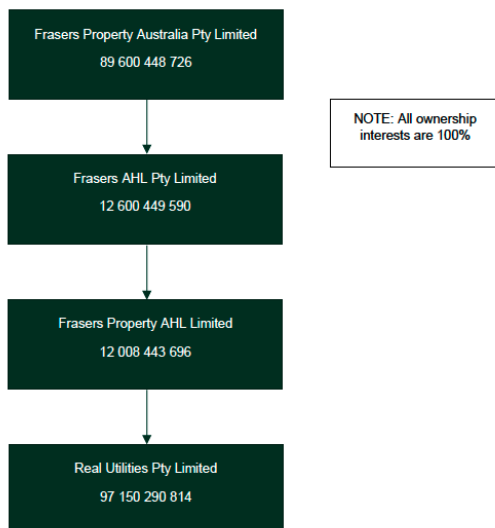


Figure 1 Company structure diagram

- Climate Active Standard for products and services
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

The calculation methodologies and emission factors used in the inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

The greenhouse gases considered within the inventory are those that are commonly reported under the

Kyoto Protocol; carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF₆) and Nitrogen Trifluoride (NF₃).

Product description

The product is **electricity, gas and biodiesel**, which is offered by Real Utilities (ABN: 97 150 290 814), a wholly owned subsidiary of Frasers Property Australia (ABN: 89 600 448 726), in selected new Frasers Property Australia residential and retail developments and Frasers Property Industrial developments between the 1st of October 2022 to the 30th of September 2023. These developments are located in New South Wales, Victoria, and Queensland. It includes the Scope 1, 2 and 3 emissions from electricity, biodiesel and gas provided to premises both for consumer end use and powering of air-conditioning. Other utility products such as water and refrigerants are excluded from the carbon neutral certification.

The functional unit is a **Megawatt Hour (MWh) of energy usage**, with emissions expressed in terms of tonnes of CO₂-e per MWh. This is full coverage service and a cradle to grave submission.

3. EMISSIONS BOUNDARY

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

Quantified emissions have been assessed as 'attributable processes' of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service through its life cycle. These attributable emissions have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable 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

Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

Real Utilities operations (employees and offices related) are measured separately in Frasers Property Australia's (FPA) organisation submission, which is available on [Climate Active website](#). It is still represented in the following diagrams to show which activities have been measured.

Inside emissions boundary

Quantified

Quantified – Real Utilities Product

- Natural Gas
- Electricity
- Stationery Fuels (biodiesel)

Quantified – Real Utilities Operations
(measured in FPA's Organisation submission)

- Electricity (Tenancy, Base Building)
- Natural Gas
- Telecommunications
- Water
- IT Equipment
- Software
- Office Paper
- Stationery
- Staff clothing
- Employee Commute and working from home
- Business Flights
- Transport Fuels (Post 2004 Diesel & Gasoline)
- Stationery Fuels (Diesel Oil)
- Cleaning Services
- Food & Catering
- Postage
- Couriers
- Printing
- Hotel Accommodation
- Advertising
- Taxis
- Rideshare
- Professional services

Non-quantified – Real Utilities Product

N/A

Non-quantified – Real Utilities Operations
(measured in FPA's Organisation submission)

Refrigerant leakage

Optionally included

N/A

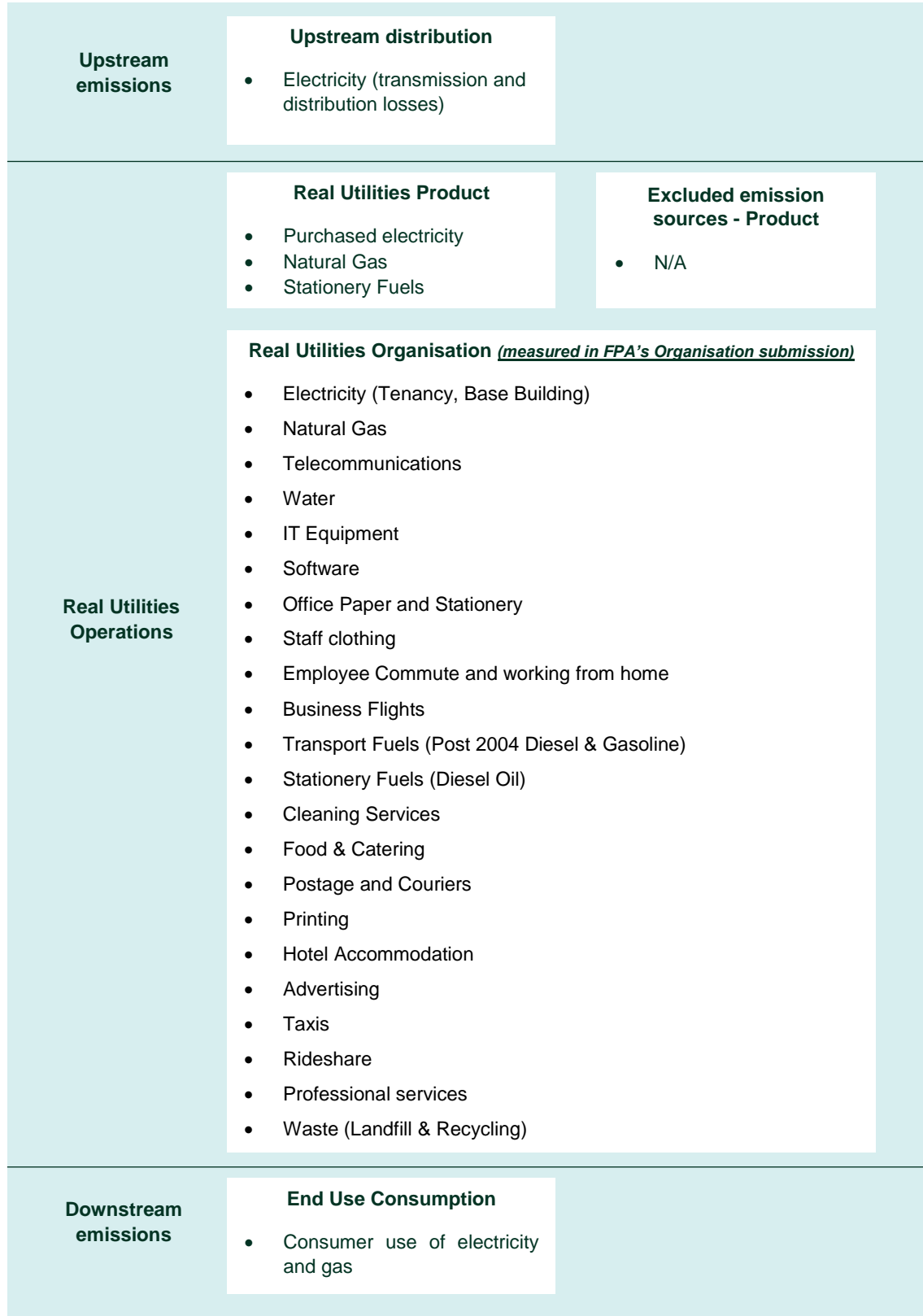
Outside emission boundary

Non-attributable – Real Utilities Product

- Fuel Transport
- Building Refrigerants
- Water

Product process diagram

The following diagram is cradle to grave. Real Utilities operations (employees, offices) are captured under Frasers Property Australia Organisation certification ([Climate Active Submission](#)).



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Real Utilities is focused on promoting sustainability and is aligned with its parent entity Frasers Property Australia in this regard.

The main value propositions of Real Utilities are cheaper, greener, simpler. These are further documented on our [website](#).

In addition to the Climate Active certification, Real Utilities is committed to initiatives that will reduce emissions in the properties it operates in.

Frasers Property Australia is a signatory to the Science Based Targets Initiative (SBTi) and has committed to reduce absolute scopes 1,2 and 3 GHG emissions by 47.7% by FY2028 from a FY2019 base year. The Science Based Targets Initiative (SBTi) revised its guidance around target setting for the buildings sector on 21 November, 2023. The guidance represents a more ambitious plan to decarbonise the building sector. The SBTi has elected to run a pilot programme for using the revised guidance (Frasers Property Australia is not a participant in the pilot programme). The goal of the pilot is to: Ensure that the guidance, criteria and tools are robust, clear, and practical; and Identify potential challenges for implementing the SBTi Buildings Guidance across regions and business types. The pilot period is expected to run from 11 December 2023 and through to 23 February 2024. Because of this pilot period, SBTi will likely not finalise the guidance until the end of the first quarter or the beginning of the second quarter of 2024. The guidance will take effect 6 months after the final draft is published. Real estate companies committed to SBTi will need to align to the new building guidance around the second half of 2024.

As part of the revised guidance from SBTi, Frasers Property Australia and Real Utilities are reviewing its emissions reduction strategies and their alignment with the revised guidance.

In the design phase, Real Utilities will work with the Frasers Property Australia development team to identify initiatives to improve energy efficiency and incorporate renewable energy.

These include:

- Reviewing the selection of building services plant such as hot water plant and air conditioning
- Undertaking analysis of solar PV on all projects with the aim of maximizing solar PV as an on-site energy source for future projects
- Undertaking analysis of battery energy storage systems on all relevant projects to ensure resilience of energy supply

Once the properties are operational, Real Utilities will continue to explore initiatives to reduce carbon and improve customer benefits in line with the value propositions – cheaper, greener, simpler.

Particular focus will continue to be on energy efficiency and renewable energy.

Emissions reduction actions

Real Utilities has continued to grow its customer base, explaining the increase in total greenhouse gas emissions.

However, the emissions per functional unit has decreased with the investment in more on-site renewable electricity generation and the retirement of large-scale generation certificates.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year:	2017-18	613.4	0.96 tCO ₂ -e/MWh
Year 1:	2018-19	1,983.6	0.74 tCO ₂ -e/MWh
Year 2:	2019-20	6,615.7	0.92 tCO ₂ -e/MWh
Year 3	2020-21	22,486.2	0.61 tCO ₂ -e/MWh
Year 4	2021-22	25,418.1	0.60 tCO ₂ -e/MWh
Year 5:	2022-23	27,420.31	0.60 tCO ₂ -e/MWh

Significant changes in emissions

Grid electricity consumption increased by 7% compared to last year, and associated GHG emissions increased by 8%. Real Utilities produced 9,023 MWh of solar electricity during the reporting period (1,612 MWh exported and 946 MWh consumed behind the meter), with 6,465 LGCs being generated and sold to the renewable energy market.

Natural gas consumption decreased by 10% compared to last year, which reduced GHG emissions by 11% for this activity.

Use of Climate Active carbon neutral products and services

None to report.

Emissions summary

Attributable process	tCO ₂ -e	Total amount offset in this report
Electricity (Market-based)	26,146.2	26,146.2
Natural gas NSW	901.0	901.0
Biodiesel	0.2	0.2
Natural gas VIC	257.6	257.6
Natural gas QLD	115.0	115.0
Emissions intensity per functional unit		0.60 tCO ₂ -e/MWh
Number of functional units to be offset		45,527 MWh
Total emissions to be offset		27,421 tCO ₂ -e

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken in-arrears offsetting approach. The total emission to offset is 27,421 t CO₂-e. The total number of eligible offsets used in this report is 27,421. Of the total eligible offsets used, 12,634 were previously banked and 14,787 were newly purchased and retired. 0 are remaining and have been banked for future use.

Eligible offsets retirement summary

Offsets retired for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity retired (tCO ₂ -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Jorethang Loop Hydroelectric Project	CERs	UNFCCC	22 January 2020	IN-5-233629394-2-2-0-1326 – IN-5-233707931-2-2-0-1326	CP2	0	78,538	63,557	0	12,634*	46.1%
Yunnan Lincang Zhenai Hydropower Project	CERs	UNFCCC	15/11/2023	CN-5-1160580898-2-2-0-1994 - CN-5-1160580902-2-2-0-1994	2022	0	5	0	0	5	0.0%
Yunnan Lincang Zhenai Hydropower Project	CERs	UNFCCC	15/11/2023	CN-5-1160580903-2-2-0-1994 - CN-5-1160580907-2-2-0-1994	2022	0	5	0	0	5	0.0%
Yunnan Lincang Zhenai Hydropower Project	CERs	UNFCCC	12/12/2023	CN-5-1160581131-2-2-0-1994 - CN-5-1160584130-2-2-0-1994	2022	0	3,000	0	0	3,000	10.9%
Yunnan Lincang Zhenai Hydropower Project	CERs	UNFCCC	21/12/2023	CN-5-1160584195-2-2-0-1994 - CN-5-1160585593-2-2-0-1994	2022	0	1,399	0	0	1,399	5.1%
Ganluo Camp Hydropower Project	CERs	UNFCCC	21/12/2023	CN-5-1190802740-2-2-0-5134 - CN-5-1190804539-2-2-0-5134	2018	0	1,800	0	0	1,800	6.6%
Ganluo Camp Hydropower Project	CERs	UNFCCC	10/1/2024	CN-5-1190804695-2-2-0-5134 - CN-5-1190808194-2-2-0-5134	2018	0	3,500	0	0	3,500	12.8%
Ganluo Camp Hydropower Project	CERs	UNFCCC	23/1/2024	CN-5-1190808761-2-2-0-5134 - CN-5-1190811760-2-2-0-5134	2018	0	3,000	0	0	3,000	10.9%
Ganluo Camp Hydropower Project	CERs	UNFCCC	23/1/2024	CN-5-1190811761-2-2-0-5134 - CN-5-1190813329-2-2-0-5134	2018	0	1,569	0	0	1,569	5.7%

Ganluo Camp Hydropower Project	CERs	UNFCCC	25/1/2024	CN-5-1190813330-2-2-0-5134 - CN-5-1190813838-2-2-0-5134	2018	0	509	0	0	509	1.9%
Total offsets retired this report and used in this report										27,421	
Total offsets retired this report and banked for future reports										0	

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Certified Emissions Reductions (CERs)	27,421	100%

*Fraser's Property Group purchased a total of 78,358 carbon offsets in January 2020. The table below summarises how those credits were used across Fraser's Property Australia, Real Utilities and Fraser's Property Industrial submissions. Some of the credits were also used for other Building certifications.

Allocation of carbon offsets

Purpose	Quantity (tCO ₂ -e)
Quantity used for previous reporting periods	39,160
FPA Climate Active FY2020	6,530
Real Utilities Climate Active FY2020	584
Other Projects (NABERS Buildings) 2021	1,541
FPA Climate Active FY2021	4,255
Real Utilities Climate Active FY2021	22,487
Fraser's Property Industrial Climate Active FY2021	1,319
Other Projects (NABERS Buildings) FY2022	2,444
Real Utilities Climate Active FY2022	25,419
Other Projects (NABERS Buildings) FY2023	1,325
Quantity required for this reporting period claim	12,634
Real Utilities Climate Active FY2023	12,634
Total	78,538

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)*	5,403
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* 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)
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	34-39	2022	Solar	6
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	194-209	2021	Solar	16
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	563-675	2021	Solar	113
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	473-562	2021	Solar	90
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	363-472	2021	Solar	110
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	306-362	2021	Solar	57

Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	291-305	2021	Solar	15
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	275-290	2021	Solar	16
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	243-274	2021	Solar	32
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	224-242	2021	Solar	19
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	222-241	2022	Solar	20
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	185-221	2022	Solar	37
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	129-184	2022	Solar	56
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	67-128	2022	Solar	62
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	1 - 66	2022	Solar	66
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	312-357	2022	Solar	46

Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	253-311	2022	Solar	59
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	184-252	2022	Solar	69
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	102-183	2022	Solar	82
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	1-101	2022	Solar	101
NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	871-970	2022	Solar	100
NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	763-870	2022	Solar	108
NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	608-648	2022	Solar	41
NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	649-762	2022	Solar	114
PFD Foodservices - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSM4	292-344	2022	Solar	53
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	160-171	2021	Solar	12

NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	1098-1253	2022	Solar	156
NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	971-1097	2022	Solar	127
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	242-250	2022	Solar	9
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	372-431	2022	Solar	60
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	325-371	2022	Solar	47
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	291-324	2022	Solar	34
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	264-290	2022	Solar	27
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	358-397	2022	Solar	40
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	432-500	2022	Solar	69

DAYDREAM SOLAR FARM - QLD	QLD	LGC	REC-Registry	21/2/2023	SRPVQLA6	29652-31651	2022	Solar	2,000
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	652-783	2022	Solar	132
NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	1419-1664	2022	Solar	246
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	123-142	2022	Solar	20
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	109-122	2022	Solar	14
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	96-108	2022	Solar	13
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	84-95	2022	Solar	12
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	76-83	2022	Solar	8
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	67-75	2022	Solar	9
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	58-66	2022	Solar	9
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	47-57	2022	Solar	11
PFD Foodservices - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSM4	345-371	2022	Solar	27

PFD Foodservices - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSM4	645-720	2022	Solar	76
PFD Foodservices - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSM4	570-644	2022	Solar	75
PFD Foodservices - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSM4	500-569	2022	Solar	70
PFD Foodservices - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSM4	440-499	2022	Solar	60
PFD Foodservices - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSM4	396-439	2022	Solar	44
Ozito efm frasers Dandenong South No.1 - Solar PV - VIC	VIC	LGC	REC-Registry	21/2/2023	SRPXVC65	501-589	2022	Solar	89
NuPure Frasers Horsley Park No.1 - Solar PV - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNST8	1693-1937	2022	Solar	245
DHL Arndell Park - Solar - NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSQ0	143-162	2022	Solar	20
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	494-564	2022	Solar	71
Edmondson Park Town Centre Solar NSW	NSW	LGC	REC-Registry	21/2/2023	SRPVNSV2	569-651	2022	Solar	83
Total LGCs surrendered this report and used in this report									5,403

APPENDIX A: ADDITIONAL INFORMATION

N/A

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 (kgCO ₂ -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	945,816	0	2%
Total non-grid electricity	945,816	0	2%
LGC Purchased and retired (kWh) (including PPAs)	5,403,000	0	14%
GreenPower	0	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)	6,092,966	0	15%
Residual Electricity	27,378,558	26,146,523	0%
Total renewable electricity (grid + non grid)	12,441,782	0	31%
Total grid electricity	38,874,524	26,146,523	29%
Total electricity (grid + non grid)	39,820,340	26,146,523	31%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	27,378,558	26,146,523	
Scope 2	24,178,467	23,090,436	
Scope 3 (includes T&D emissions from consumption under operational control)	3,200,091	3,056,087	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	31.24%
Mandatory	15.30%
Voluntary	13.57%
Behind the meter	2.38%
Residual scope 2 emissions (t CO₂-e)	23,090.44
Residual scope 3 emissions (t CO₂-e)	3,056.09
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	23,090.44
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	3,056.09
Total emissions liability (t CO₂-e)	26,146.52

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 (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
ACT	0	0	0	0	0	0
NSW	29,074,338	29,074,338	21,224,266	1,744,460	0	0
SA	0	0	0	0	0	0
VIC	7,732,469	7,732,469	6,572,599	541,273	0	0
QLD	2,067,717	2,067,717	1,509,434	310,158	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	38,874,524	38,874,524	29,306,299	2,595,891	0	0
ACT	0	0	0	0		
NSW	723,909	723,909	0	0		
SA	0	0	0	0		
VIC	221,907	221,907	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	945,816	945,816	0	0		
Total electricity (grid + non grid)	39,820,340					

Residual scope 2 emissions (t CO ₂ -e)	29,306.30
Residual scope 3 emissions (t CO ₂ -e)	2,595.89
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	29,306.30
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	2,595.89
Total emissions liability	31,902.19

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
<p><i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market-based method is outlined as such in the market based summary table.</i></p>		

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
<p><i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market based summary table.</i></p>		

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

There is no non-quantified source of emissions in this submission.

Excluded emission sources

There was no excluded emissions source in this submission.

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 EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.
2. **Influence** The responsible entity could influence emissions reduction from a particular source.
3. **Risk** The emissions from a particular source contribute to the responsible entity's greenhouse gas risk exposure.
4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.
5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Water	N	N	N	N	N	This certification only covers the energy sold by Real Utilities to its customers, hence it excludes other building utilities such as water, refrigerants and fuel transport.



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