

National Carbon Offset Standard
Carbon Neutral Program
Public Disclosure Summary



An Australian Government Initiative

Name of certified entity: Real Utilities Pty Limited (ABN 97 150 290 814)
Subsidiary of Frasers Property Australia

Reporting period: N/A (Calculations based on modelled data)
Certification period: 1 July 2018 – 30 June 2019



THIS DOCUMENT WILL BE MADE PUBLICALLY AVAILABLE

Declaration

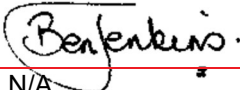
To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.



Paolo Bevilacqua

General Manager, Sustainability

22 November 2018

Carbon neutral certification category	Product
Date of most recent external verification/audit	November 2018
Auditor	Benjamin Jenkins, GPP Audit Pty Ltd
	
Auditor assurance statement link	N/A



Australian Government

Department of the Environment and Energy

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About Real Utilities

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.

Carbon neutral information

Frasers Property Australia are implementing embedded networks in some developments with all electricity and gas provided to be certified carbon neutral under the National Carbon Offset Standard. The developments will typically be strata-owned residential, retail or mixed use however may also include business parks and industrial estates. The first development, Tailor's Walk, comprises of 376 apartments and a shop, delivered between September 2017 and July 2018. The second development, Discovery Point, comprises 234 apartments due for completion in November 2018.

The product is electricity, gas and thermal energy, which will be offered by Real Utilities, a wholly owned subsidiary of Frasers Property, in selected new Frasers Property residential and retail developments. These developments may be located in New South Wales, Victoria, Queensland or Western Australia. It includes the Scope 1, 2 and 3 emissions from electricity 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 electricity usage, with emissions expressed in terms of tonnes of CO₂-e per MWh.

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

- National Carbon Offset 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).

Emission sources within certification boundary

In Financial Year 2018-2019, Tailor’s Walk is only offering electricity, and from November 2018, Discovery Point will be offering electricity, gas and thermal energy as a product. Thermal energy is generated using natural gas.

Quantified sources

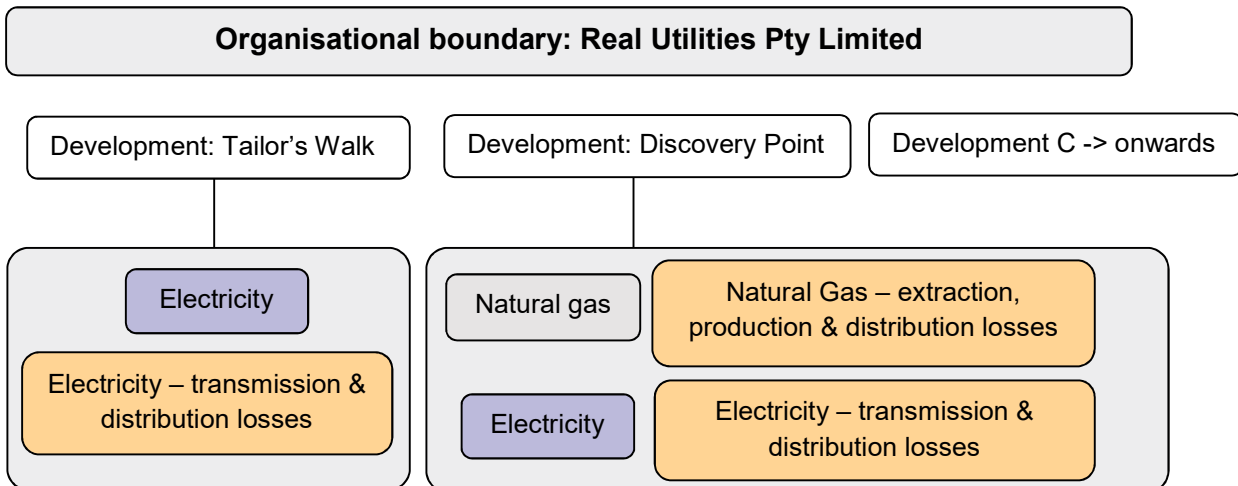
- Scope 1 – Natural Gas
- Scope 2 - Electricity
- Scope 3 – Natural Gas extraction, production and distribution
- Scope 3 - Electricity transmission and distribution losses

Non-quantified sources

- All other emissions sources

Diagram of the certification boundary

Table 1: Real Utilites’ emission sources and certification boundary



Key



Outside of FY 18/19 certification



Emissions reduction measures

Emissions over time

Table 2: Real Utilities' emissions over time

	Base Year: 2017/18	Current year: 2018/19
Scope 1	0	130.0
Scope 2	536.7	2,427.4
Scope 3	76.7	328.3
Total (tCO2e)	613.4 (0.96 tCO2-e/MWh)	2,885.7 (0.79 tCO2-e/MWh)

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 at www.realutilities.com.au

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

Real Utilities has the target to supply 100% renewable energy by 2023, on a net basis.

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 including solar PV as an on site energy source for future projects
- Other energy and carbon innovations such as geothermal, battery storage, and sewer heat recovery which are currently being investigated on some projects.

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.

Real Utilities will also contribute to Frasers Property Australia's sustainability commitments as documented in their sustainability strategy, A Different Way. For more information on Frasers Property's approach to sustainability, please refer www.frasersproperty.com.au/Sustainability.

Emissions reduction actions

Not applicable.

Emissions summary

The first development, Tailor's Walk, comprises of 376 apartments and a shop, delivered between September 2017 and July 2018. The second development, Discovery Point, comprises 234 apartments due for completion in November 2018.

As further developments offering the Real Utilities electricity product come on line, estimated emissions will be calculated using the same methodology, and emissions offset prior to their generation, with a "true up" of estimated emissions versus actual emissions for all developments to occur at year end.

Table 3: Real Utilities' emissions summary for FY 18/19

Scope	Emission source	t CO ₂ -e
1	Natural Gas (NSW)	130.0
2	Electricity (NSW)	2,427.4
3	Natural Gas (NSW) – extraction, production and distribution	296.0
3	Electricity (NSW)– transmission and distribution losses	32.3
Total Gross Emissions		2,885.7
GreenPower or retired LGCs		0
Total Net Emissions		2,885.7

Carbon offsets

Offsets summary

Table 4: Real Utilities' carbon offsets for the reporting period.

Offset Name	Year Retired	Serial Numbers	Quantity
Siam Biomass Project (Thailand) (VCS), APX VCS Registry	2018	4803-197669109-197670158-VCU-008- APX-TH-4-403-01012013-31122013-0	1,050
Maharashtra Wind Power Project (India) (VCS), APX VCS Registry	2018	5942-268258962-268260611-VCU-050- APX-IN-1-1520-01012017-30092017-0	1,650
Protection of a Tasmanian Native Forest (Australia)	2018	32290145732248-145732425-VCU- 016-MER-AU-14-587-01032012- 28022013-0	178
Drysdale Landfill Gas Project ACCUs (Australia)	2018	3774438866-3774438987-KACCU- 2018-2019	122
Total Offsets Retired			3,000
Total offsets held in surplus from previous years (FY 2017/18) (based on reconciled inventory)			16
Total Emissions for FY 2018/19			2,886
Net Emissions			- 130
Total offsets held in surplus for future years			130

Offsets purchasing and retirement strategy

In 2018/19 NCOS Disclosure Year, Real Utilities retired offsets totalling 3,000 tCO₂e of VCS - Social Carbon type offsets. For this same Disclosure Year, Real Utilities required offsets totalling 2885.7 tCO₂e. The remaining offsets retired will be used in future years. Table 4 presents a detailed overview on offset type, project title and offset quantity.

Offset projects co-benefits

Real Utilities seeks to buy offsets from projects that align with A Different Way, particularly the target to 'make clean energy accessible for all'. In addition, projects are selected that support the countries that Frasers Centrepoint Limited, Frasers Property's parent company, operate in.

Table 5: Co-benefits of Real Utilities's offsets projects.

Project	Description	Co-benefits
Drysdale Landfill Gas Project (Australia)	This project installs a new landfill gas collection system to capture and combust gas generated at the landfill from waste	- Increases capability within the Australian market
Protection of a Tasmanian Native Forest (Australia)	This project protects 7,666 ha of native Tasmanian forest, which would, if not for the project, continue to undergo logging	- Protection of endangered Australian flora and fauna, such as the Tasmanian devil and Eastern-barred bandicoot
Siam Cement Biomass (Thailand)	This project involves the modification of five cement manufacturing plants in Thailand to use renewable biomass fuels instead of fossil fuels. The project has led to substantial emission reductions as well as other significant environmental and socio-economic benefits.	- Improved health outcomes with less respiratory problems due to rice husk decay, funding of a mobile health clinic - Creation of local supply chains & industries for biomass, creating local jobs & providing additional revenue streams for farmers - Other initiatives include forest conservation, school scholarships & support for the development of local industries
Maharashtra Wind Power Project (India)	Wind project in India.	- Displaces electricity which would have been drawn from fossil fuel power as India's population grows - Development of local economy & infrastructure - Improves local air quality - Avoids solid waste generation from coal-fired power plants

Use of trade mark

Table 6: Locations where Real Utilities used the NCOS Trademark during FY 18/19.

Where used	Logo type
Real Utilities' energy bills (to customers)	Certified product
Internal staff presentations	Certified product
External presentations and other marketing collateral (to customers)	Certified product

