

2021 GREEN BOND ANNUAL REPORT

Supporting Queensland's transition to a low-carbon, climate resilient and environmentally sustainable economy



About this report

This report provides information about the allocation of proceeds from Queensland Treasury Corporation's (QTC's) Green Bond issuance as at 30 April 2021.

All proceeds have been allocated against eligible projects and assets that support Queensland's transition to a low carbon, climate resilient and environmentally sustainable economy.

Share your feedback

As sustainable finance markets continue to evolve, so too will our approach, as we respond to changing investor and market expectations.

We strive for continuous improvement and welcome your feedback on our approach. Please email **investorrelations@qtc.com.au**

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Message from the Queensland Treasurer



The Honourable Cameron Dick MP

The Queensland Government is playing its part in global efforts to address climate change—protecting our State's abundant natural environment while shaping a low carbon, sustainable economy.

Despite the disruption from COVID-19, Queensland has continued to offer attractive green investment opportunities, and over the past year global and domestic investors have demonstrated confidence in our State's sustainable investments through their strong support of our QTC Green Bonds.

On behalf of the Queensland Government, Queensland Treasury Corporation (QTC) continues to contribute to Australia's Green Bond market, expanding our offering across three Green Bond lines.

QTC is now a leading semi-government issuer of Green Bonds in Australia, with AUD3.98 billion in Green Bonds on issue as at 30 April 2021.

Queensland's commitment to positive ESG outcomes

Queensland is currently rated AA for environmental, social and governance (ESG) by MSCI as of July 2020*, and we have many proactive policy commitments to secure a future of sustainable, inclusive growth.

In February 2021 we published our inaugural ESG Statement, acknowledging the increasing global expectation to consider ESG risk factors and sustainability issues in our decision-making.

The statement outlines Queensland's achievements and supporting policies and strategies and articulates our commitment to mitigating future issues and capturing emerging opportunities.

We will continue to responsibly manage our environment, communities and financial resources for this generation and those to come.

*As of July 2020, Queensland received an MSCI ESG Rating of AA. Certain information ©2020 MSCI ESG Research LLC. Reproduced by permission. The use by QTC of any MSCI ESG research LLC or its affiliates ("MSCI") data, and the use of MSCI logos, trademarks, service marks or index names herein, do not constitute a sponsorship, endorsement, recommendation, or promotion of QTC by MSCI. MSCI services and data are the property of MSCI or its information providers, and are provided 'as-is' and without warranty. MSCI names and logos are trademarks or service marks of MSCI.

Tackling climate change as a government

QTC Green Bonds are just one initiative supporting our State's climate change response.

Across all sectors of our economy the Queensland Government has a range of commitments, programs and initiatives to support better environmental outcomes as we work towards zero net emissions by 2050, including:

- The establishment of CleanCo, a State-owned energy company with a strategic portfolio of low emission assets and a mandate for significant new renewable energy generation.
- An AUD500 million Renewable Energy Fund to support the renewable energy sector, which complements our AUD145 million plan to establish three renewable energy zones across Queensland to foster regional jobs and investment.
- Positioning Queensland's renewable hydrogen industry as a key exporter, including the launch of Queensland's Hydrogen Industry Strategy, appointing a Hydrogen Taskforce, and landmark partnerships with Japanese companies.
- A nation-leading AUD500 million Land Restoration Fund that supports carbon farming projects and delivers additional environmental, social, economic and First Nations benefits.
- Protecting one of Queensland's biggest tourism attractions and environmental wonders, the Great Barrier Reef, with additional support of AUD67 million that adds to more than AUD400 million committed by our Government since 2015.

Looking forward, the Queensland Government will continue exploring opportunities to deliver positive ESG outcomes and further enable green investment that drives environmental and generational change for the better.

The Honourable Cameron Dick MP

QUEENSLAND TREASURER AND MINISTER FOR INVESTMENT

The Queensland Government's ESG Statement outlines the State's commitment to positive environmental, social and governance outcomes www.treasury.qld.gov.au/programs-and-policies/esg-statement

You can find out more about Queensland Government initiatives and actions to support the State's Climate Change Response at www.qld.gov.au/environment/climate/climate-change/response



Message from the Chief Executive and the Head of Funding and Liquidity



Philip Noble

As the State's central financing authority, QTC has continued to support the development of Australia's Green Bond market and provide sustainable investment opportunities to its domestic and global investor base.

We are a large, active Green Bond issuer, and throughout the year have continued to see growth in the Green Bond market and investors integrating ESG into their investment approach.

Our commitment to QTC's Green Bond issuance reflects the continued interest and enquiries that we see from both domestic and offshore investors in the ESG market. As a result, we've also been able to broaden our investor base through our Green Bonds.



Jose Fajardo

Establishing QTC's Green Bond curve

In November 2020, we issued our third Green Bond line, establishing a Green Bond curve for investors—with maturities of 2024, 2029 and 2031. The AUD1.5 billion issuance of our new 2031 Green Bond was our largest since we launched our inaugural Green Bond line in 2017, demonstrating a growing demand for certified green products.

QTC received recognition for its contribution to the Green Bond market in the 2020 Climate Bonds Initiative (CBI) annual Green Bond Pioneer Awards, for the Largest Subnational Deal of 2019.

Expanding QTC's Green Bond project and asset pool

In May 2021, QTC expanded its eligible project and asset pool from approximately AUD6.7 billion to approximately AUD16.8 billion, through the inclusion of Seqwater's Drought Resilient Network. This is a large and unique asset that was developed in response to ongoing and significant drought, and is Australia's first integrated climate-resilient bulk water asset. The inclusion of this water asset increases our scope for future issuance and also makes our sector allocation unique amongst Government issuers.

We expect to remain a regular Green Bond issuer—subject to market conditions and we continue to actively look for ways to further grow and diversify our pool of eligible projects and assets.

Green Bonds are of strategic importance in QTC's diversified funding mix. They highlight and support projects and assets with an environmental benefit to the State and complement QTC's core benchmark bond lines. As the types of issuance of green, social and sustainable debt evolve we continue to monitor developments in this space.

Philip Noble CHIEF EXECUTIVE Jose Fajardo HEAD OF FUNDING AND LIQUIDITY

QTC Green Bonds

QTC Green Bonds enable investors to support Queensland's transition to a low carbon, climate resilient and environmentally sustainable economy.

QTC has achieved programmatic certification from CBI, providing a more streamlined certification process. This allows QTC to easily tap its existing CBI Certified Green Bonds—providing greater flexibility to meet investor demand.

QTC Green Bonds:

- are guaranteed by the Queensland Government
- carry the same credit rating as QTC and the Queensland Government of AA+/stable/A-1+ by S&P Global; Aa1/stable/P-1 by Moody's and AA/stable/F1+ by Fitch, and
- are exempt from Australian interest withholding tax.

Maturity*	Coupon	ISIN	Credit rating**	Outstandings AUD million
22 March 2024	3.00%	AU000XQLQAD1	AA+/Aa1/AA	750
6 March 2029	2.50%	AU3SG0001928	AA+/Aa1/AA	1,730
10 March 2031	1.25%	AU3SG0002371	AA+/Aa1/AA	1.500

QTC Green Bond outstandings as at 30 April 2021

At the time of this report, all QTC Green Bonds on issue are certified by the Climate Bonds Standard Board on behalf of the CBI.

QTC's eligible project and asset pool, as verified by DNV (refer page 19), totals approximately AUD16.8 billion as at May 2021.

How the proceeds can be used

QTC may issue two different types of Green Bonds, which must be issued in accordance with QTC's Green Bond Framework, and either:

- the Climate Bonds Standard (CBI Certified Green Bonds), or
- the ICMA Green Bond Principles (ICMA Green Bonds).

This flexible approach enables QTC to finance and re-finance a broad range of eligible projects and assets that contribute to mitigation of, and adaptation to, climate change. At the time of this report QTC has only CBI Certified Green Bonds on issue. QTC Green Bonds are allocated against qualifying green assets that support Queensland's transition to a low carbon, climate resilient and environmentally sustainable economy

QTC has a total of AUD3.98 billion outstandings in face value across three Green Bond lines with an allocation of net proceeds of approximately AUD4.03 billion.

*144A eligibility. **Ratings by S&P Global, Moody's Investors Service and Fitch respectively. Credit ratings should not be taken as recommendations by a rating agency to buy, sell or hold securities (including the QTC Green Bonds). They may be revised, suspended or withdrawn at any time by the rating agency. The net proceeds of Green Bonds may be allocated against eligible projects and assets that have an environmental benefit associated with the State of Queensland. This may include proceeds used for partially or wholly financing or re-financing new and existing eligible projects and assets.

The eligible project and asset guidelines are set out in the QTC Green Bond Framework, which is available to qualified investors on QTC's website.

The link between QTC's funding pools and eligible projects and assets are managed through an internal register and an earmarking process that accounts for funding allocated against eligible projects and assets.

Governance

QTC's Green Bond Committee has representatives from across QTC and is accountable for evaluating potential eligible projects and assets, maintaining a register of approved eligible projects and assets, approving the allocation of proceeds, and for ensuring ongoing compliance with all aspects of the QTC Green Bond Framework.

Independent assurance and reporting

QTC is committed to a high standard of transparency. Our framework is intended to provide transparency in QTC's Green Bond issuance, use of proceeds and reporting.

Our well-established processes and reporting guidelines include independent third-party assurance of our framework, eligible project and asset pool and bonds on issue.

In addition to the Green Bond Annual Report, QTC discloses the following on QTC's website:

- annual verification statement from an external verifier
- Assurance Opinion in relation to QTC's Green Bond Framework from an external verifier, and
- CBI certification for CBI-certified Green Bonds.

We have maintained a consistent reporting framework since our first Green Bond issuance and remain adaptive to investor feedback as we continue to monitor market developments in reporting.



Timeline



Deal spotlight: 2031 Green Bond

In November 2020, QTC issued AUD1.5 billion of a new 1.25% 10 March 2031 CBI certified Green Bond through a syndication process. This was the third and longest tenor for QTC, further diversifying funding alternatives and continuing to build QTC's Green Bond curve.

The transaction was well supported, with a final order book of AUD2.77 billion the largest orderbook for a QTC Green Bond deal. A key highlight was the strong offshore participation of 43 per cent, with significant demand from Japan and Europe.

Issuer rating	AA+ (stable) by S&P Global			
	Aa1 (stable) by Moody's Investors Service			
	AA (stable) by Fitch Ratings			
Guarantor	Guaranteed by the Treasurer on behalf of the Government of Queensland under the terms of the Queensland Treasury Corporation Act 1988 (the QTC Act)			
Coupon	1.25% per annum			
lssue amount	AUD1.5 billion			
Currency	AUD			
Maturity date	10 March 2031			
Certification	Climate Bonds Standard Board on behalf of the Climate Bonds Initiative			

Table 1: Green Bond terms



Allocation of proceeds

All proceeds from QTC's Green Bonds issued as at 30 April 2021 have been fully allocated against a selection of eligible projects and assets as detailed below.

Categories of eligible projects/assets*	Sub category	Project/asset name	Allocation of Green Bond proceeds (AUD M)	Recorded usage/ generation 1 Jan-31 Dec 2020	Impact metrics 1 Jan–31 Dec 2020
Low carbon transport	Light rail – electrified trams and supporting infrastructure	Gold Coast Light Rail Stage 1	283.7	Passenger trips: 5,740,246^1 Passenger kms: 30,484,780^1	NA
		Gold Coast Light Rail Stage 2	134.8		
	Electrified rail, supporting infrastructure and rolling stock	Citytrain network	1,587.0	- Passenger trips: 31,086,659^1 Passenger kms: 605,838,615^1	
		 Redcliffe Peninsula Line 	207.3		NA
		 Citytrain rolling stock 	300.0		
		 New generation rolling stock (electric) 	607.8		
		Tilt Trains rolling stock	20.0	Passenger trips:109,823^2	NA
				Passenger kms: 39,344,589^2	
	Cycleways – multiple	Cycleways	102.0	N/A ³	NA
Renewable energy 7 (000000000000000000000000000000000000	Solar	Sunshine Coast Solar Farm	30.0	Energy generated: 28,978 MWh ⁴	Annual GHG emissions reduced (in tonnes of CO ₂ equivalent): 23,183 ⁴
		Warwick Solar Farm	73.0	Energy generated: 2,475 MWh ^{,5}	Annual GHG emissions reduced (in tonnes of CO ₂ equivalent): 1,843 ^{,5}
Water infrastructure	Desalination plant	Gold Coast Desalination Plant	684.0	Installed capacity of 133 million litres per day ⁶	Annual absolute (gross) water savings (in m3/a): 46,632,300 ⁶
Total			AUD 4,029.6		

Notes:

* The icons depict alignment with the United Nations Sustainability Development Goals.

- ^ Passenger trips and kms decreased during the period 1 Jan-31 Dec 2020 due to COVID-19.
- ⁺ Figures during the Solar Farm's commissioning phase.

Net proceeds from QTC Green Bonds were AUD4,029,617,800 from AUD3,980,000,000 Face Value of bonds issued.

For source information of footnotes 1–6, please refer to page 20.

The Seqwater Drought Resilient Network

The Seqwater Drought Resilient Network (the Network) is a unique water supply asset in Australia and provides many options to make drinking water available around the region to manage drought and the growing population.

The Network was verified and added to QTC's eligible projects and assets pool in May 2021. This expands on the 2019 inclusion of one of its core assets, the Gold Coast Desalination Plant. The total Network is valued at approximately AUD10.9 billion.

The Network's bulk water supply pipelines connect the region's major water treatment plants and water sources—providing sustainable water security for South East Queensland (SEQ). It was created in response to the water supply crisis due to the Millennium Drought, and was the largest urban drought response in Australia at the time. Its foundation bulk water assets (water treatment plants, dams, reservoirs, pumping stations and pipes) were owned by multiple local councils and were not interconnected, significantly impacting water supply to the region. Following the accelerated construction of a network of bulk water pipelines, the State Government assumed ownership and operational responsibility for the integrated Network from 1 July 2008 through a number of bulk water authorities. After further consolidation of the sector in 2013, the Network is now owned by the State's single bulk water supplier, Seqwater. The Queensland Government also invested in new drought resilient sources to improve the diversity and security of water supply—the Gold Coast Desalination Plant and the Western Corridor Recycled Water Scheme.

The Network enables Seqwater to move treated drinking water around the region and to supplement local water supplies. While local rainfall is still required for drinking water, due to the limit on how much water the Network can move, the Network has positioned SEQ as a leader in water security. Before the Network, communities across SEQ were largely reliant on their local water sources for supply, even when other parts of the region experienced rain. As part of normal operations, Seqwater manages the region's water supply by changing the water flow direction in the pipelines to move water around in an efficient and cost-effective way.



The Network is valued at approximately AUD10.9 billion and comprised of:

- Gold Coast Desalination Plant ~780m
- Water Treatment Plants ~1,719m
- Pipelines and Other ~2,984m
- Dams and Weirs ~3,480m
- Western Corridor Recycled ~1,907m
 Water Scheme*

* Any future allocation of Green Bond proceeds to the Scheme may be deferred until it is substantially recommissioned to a 'ready to use' state. Luggage Point. Image courtesy of Seqwater.



- connects 330,774 million litres of drinking water to supply more than 3.4 million people living in SEQ
- enables a co-ordinated response to drought and to minimise its impact, and maintains supplies during weather events that impact local sources, and
- supplies bulk treated drinking water to five retailers; Unitywater, Urban Utilities and the water businesses of the Logan, Redland and Gold Coast Councils.

The Western Corridor Recycled Water Scheme and Gold Coast Desalination Plant are critical parts of the Seqwater Drought Resilient Network and form part of the long-term water sources for the region. They help take pressure off dam supplies and will be increasingly used to meet growing demand in SEQ as the population increases. They also help delay or even avoid the introduction of water restrictions and the need to construct additional drought contingency infrastructure, at a cost to water users, should the region experience long-term drought.

Sequater's Water Security Program guides delivery of enhancements to the Network to balance the needs of one of the fastest growing population areas in Australia with a water supply that will become more impacted by climate change over time.

Further information can be found on the Seqwater website.

The Network is a bulk water supply network of:

- 36 conventional water treatment plants
- 12 key dams that make up nearly 90 per cent of SEQ's total water storage volume
- 28 bulk water reservoirs
- 22 pump stations
- 600km+ of pipelines
- a desalination plant, and
- purified recycled water treatment plants (part of the Western Corridor Recycled Water Scheme).



Western Corridor Recycled Water Scheme

The Western Corridor Recycled Water Scheme includes three advanced water treatment plants, which turn treated wastewater into quality drinking water that can be pumped to Wivenhoe Dam. More than 200 kilometres of pipelines connect the advanced water treatment plants to the treated wastewater and Wivenhoe dam. This asset is valued at approximately AUD1.9 billion and was put into care and maintenance mode in 2013 as a cost saving measure. When fully operational, the scheme can produce around 180 million litres per day, or around 15 to 20 per cent of the region's daily urban water demand. As part of the SEQ Drought Response Plan, Sequater considers the restart of the entire Western Corridor Recycled Water Scheme if combined Water Grid dam levels fall to 60 per cent, based on seasonal conditions at the time and with a two-year window to return to full operation. Any future allocation of Green Bond proceeds to the Scheme may be deferred until it is substantially recommissioned to a 'ready to use' state.



Gold Coast Desalination Plant

The Gold Coast Desalination Plant turns sea water into drinking water. Unlike the majority of drinking water produced in SEQ, desalination does not rely on rainfall and is a critical, climate-resilient water source.

The Desalination Plant regularly supplies drinking water to the Network, and ramps up in times of flood or drought, or when conventional water treatment plants are offline.

Located at Tugun on the southern part of the Gold Coast, the plant uses an advanced technology called reverse osmosis to remove the salt and produce drinking water for the Gold Coast, Logan and Brisbane.

The plant first supplied water into the Network in 2009 and is capable of producing up to 133 million litres of pure drinking water a day – equivalent to about 15 per cent of the region's daily water use or 50 Olympic-sized swimming pools. It generally operates in standby mode (33 per cent), producing about 15 to 20 million litres of drinking water per fortnight and, if required, can reach 100 per cent capacity in 72 hours to supply up to 600,000 people with drinking water. In 2019, the Gold Coast Desalination Plant produced about 8,000 million litres for the Network. The plant uses energy recovery devices to improve the energy efficiency of producing drinking water. Energy recovery is achieved by reusing the highpressured salty water, or brine, produced in the first pass of the reverse osmosis process, to continue to force water through the reverse osmosis membranes. This process recovers about 97 per cent of energy that would otherwise be lost.

The plant's intake and outlet structures are located out to sea and have become artificial reefs, which are home to a variety of small plants and sea animals.

Further information can be found on the Seqwater website.



Gold Coast Light Rail: Stages 1 and 2

The Gold Coast Light Rail (branded G:link) eases traffic congestion and reduces emissions by taking cars off the road. The project improves accessibility between Brisbane and the Gold Coast, while providing a low carbon public transport alternative on the Gold Coast, where population growth is expected to increase.

Stage 1 has been operating since June 2014. It consists of a 13 kilometre, 16 station electric transport corridor connecting high density precincts using 14 electric trams.

Stage 2 has been operating since December 2017. It includes a 7.3 kilometre extension of the line and is a three station electric transport corridor that enables the transportation of approximately 3,000 passengers per hour. Using four additional electric trams, Stage 2 connects the light rail from the Gold Coast University Hospital to the electrified rail network at Helensvale, which in turn connects directly to the South East Queensland Citytrain network. As part of the project, 1,400 'Park and Ride' spaces were also provided.

Since revenue operating services began in July 2014, more than 53.4 million passenger trips have been taken on the Gold Coast Light Rail.

Further information on the Gold Coast Light Rail and future stages can be found on the City of Gold Coast website.

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Image courtesy of the City of Gold Coast.

link

Citytrain network

The Citytrain network is an integrated passenger rail service connecting South East Queensland's population centres and Brisbane's domestic and international airports by electrified rail. It provides low carbon transport options in the South East Queensland region, which contains around 70 per cent of the State's population.

The Citytrain network includes 152 stations, 880 kilometres of tracks, platforms, signalling and other infrastructure crucial to the operation of the network. This urban network includes the Redcliffe Peninsula Line.

The annual patronage was approximately 31 million trips in 2020 and each week, more than 8,300 services are operated on the Citytrain network.

Further information on the Citytrain network can be found on the Queensland Rail website.

Redcliffe Peninsula Line

Part of the Citytrain network

The Redcliffe Peninsula Line is a 12.6 kilometre dual-track passenger line that connects the Moreton Bay region to Brisbane. The region is estimated to be home to over 430,000 people and is the third largest local government population in Queensland and Australia. It is identified as a key growth corridor north of Brisbane and is expected to grow to over 618,000 people by 2036. A quarter of Moreton Bay's residents live in the rail corridor. Prior to the establishment of the Redcliffe Peninsula Line, residents were not connected to the South East Queensland Citytrain network. Many commuting residents relied on buses or car transport to get to and from work in Brisbane city.

This project provides integrated low carbon public transport in a region heavily geared towards transport by car. In calendar year 2020, the Redcliffe Peninsula Line facilitated around 1.5 million passenger trips and the equivalent of around 40 million passenger kilometres.

Further information can be found on the Department of Transport and Main Roads website.

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Kippa-Ring station on the Redcliffe Peninsula Line. Image courtesy of the Department of Transport and Main Roads.

Citytrain rolling stock

Part of the Citytrain network

The Citytrain fleet is made up of 207 three car trains and the average daily patronage is approximately 190,000 passengers in a normal year. Each weekday, more than 1,000 services are operated on the Citytrain network. All of the rolling stock on Queensland's Citytrain network is electric. The New Generation rolling stock project has renewed more than 50 per cent of the Citytrain fleet with modern and efficient trains. Further information can be found on the Queensland Rail website.

New Generation rolling stock

Part of the Citytrain network

This new generation rolling stock advances the South East Queensland electric train fleet to meet the growing demand for low carbon public transport services. The 75 new six car electric trains constitute a significant proportion of the total train fleet. The electric trains also feature energy efficient LED cabin lighting and braking technology that recovers heat energy from braking that would otherwise be lost. The project includes a new purpose built maintenance centre that uses solar panels to supplement power usage and manages storm water with dedicated bio-basins. The first trains entered the service in 2017 and, as at February 2021, all 75 trains had entered service. The trains operate across the entire South East Queensland passenger rail network and are expected to increase the efficiency and reliability of the low carbon transport network in the area of Queensland with the highest population density.

Further information can be found on the Department of Transport and Main Roads website.

Tilt trains rolling stock

Queensland Rail operates and owns two electric powered tilt trains for long distance travel between Brisbane, Bundaberg and Rockhampton. The trains consist of six cars each and cover approximately 330,000 kilometres annually. Patronage was affected in 2020 by COVID-19, although these recently refurbished tilt trains carry approximately 200,000 passengers per year in a normal year.

Further information can be found on the Queensland Rail website.



New Generation rolling stock. Image courtesy of the Department of Transport and Main Roads.

Various cycleways

These cycleway projects are part of the Queensland Government's Principal Cycle Network Plan that creates marked bicycle lanes, dedicated crossing facilities, cycle paths, shared paths, continuous networks and end of trip facilities.

So far, more than 538 kilometres of principal cycling network cycleways have been created around the State.¹

The intention of these projects is to create high quality bikeways and shared path infrastructure that encourages Queenslanders to cycle or walk to their destinations, instead of relying on cars.

Further information can be found on the Department of Transport and Main Roads website.

¹ The Queensland Government "Queensland State of Cycling Report 2019".

Images courtesy of the Department of Transport and Main Roads.

Sunshine Coast Solar Farm

The Sunshine Coast Regional Council is Australia's first local government to offset its entire electricity consumption across all its facilities and operations from renewable energy generated at the 15 megawatt Sunshine Coast Solar Farm.

Since the Sunshine Coast Solar Farm began generating power in July 2017, it has offset more than 105 per cent of the Council's electricity use. From July 2017 to 31 December 2020, the Sunshine Coast Solar Farm has generated 100,084 MWh of electricity, more than offsetting the 95,165 MWh of energy used by Council. By taking a proactive approach, Council is successfully combating the impacts of the cost of its operations from rising electricity costs. The solar farm has avoided 80,067 tonnes of CO₂ emissions since operating.

Further information can be found on the Sunshine Coast Council website.

Image courtesy of the Sunshine Coast Council.



Warwick Solar Farm

The Warwick Solar Farm is a 64 MW_{ac} and 78 MW_{dc} renewable energy facility in the Southern Downs Region of Queensland, which is approximately 160 kilometres west of Brisbane.

The project was acquired by the University of Queensland in 2018 at a ready-to-build status, enabling them to become the first major university in the world to offset 100 per cent of their electricity use with renewable power produced from their own assets. The University of Queensland also use the project as a research and teaching facility.

The Warwick Solar Farm utilises low impact solar photovoltaic technology, and once fully commissioned, the farm is expected to generate approximately 160,000 MWh of clean energy every year, reducing emissions in the electricity sector by approximately 119,000 tonnes of CO₂e annually¹.

Further information can be found on the University of Queensland website.



 1 Actuals for 1 Jan – 31 Dec 2020: 2,475 MWh energy generated, and 1,843 annual GHG emissions reduced (in tonnes of CO $_2$ equivalent). Image courtesy of The University of Queensland.

Independent third-party assurance

QTC is committed to complying with its Green Bond Framework and ensuring the use of proceeds are appropriately allocated. Accordingly, QTC has appointed DNV as an independent and accredited assurance provider. DNV is an accredited verifier with the Climate Bonds Standard.

DNV contributes to the development of best practice across Green Bond issues. Their assessment examines at least three aspects of a Green Bond, including that there is a robust and clearly documented procedure for selecting projects and assets, that the funds are allocated against activities which demonstrate enhanced sustainability performance, and that once the Green Bond is issued, there are safeguards in place to ensure that the funds raised will be allocated against the selected projects and assets.

DNV provides:

- Annual verification that QTC CBI-Certified Green Bonds meet the CBI Standard and associated sector criteria.
- Verification that QTC's Green Bond Framework is in accordance with the ICMA Green Bond Principles and is consistent with the Climate Bonds Standard.
- A methodology for the selection and measurement of eligible projects and assets.
- An independent assessment of the accuracy and integrity of Green Bond information and data that are used for strategic decision making by investors.

About QTC

QTC is committed to protecting and advancing the financial interests of Queensland.

QTC is the central financing authority for the Queensland Government and provides financial resources and services for the State.

With a statutory role to advance the financial interests and development of the State, QTC works in partnership with Queensland Treasury and its clients to:

- deliver sustainable and cost-effective borrowings for its clients managing the State's funding program in global capital markets,
- advance the financial interest and development of Queensland partnering to solve complex commercial, policy and economic issues, and
- protect Queensland's financial interests and delivering better financial outcomes – helping identify opportunities for clients to minimise costs and risks, working closely with them on their balance sheet management and centralising the management of borrowings, cash investments and foreign exchange.

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References

- 1 Sourced directly from Translink www.translink.com.au
- 2 Sourced directly from Queensland Rail www.queenslandrail.com.au
- 3 For further information please refer to the Queensland Government "Queensland State of Cycling Report 2019"
- 4 Sourced directly from Sunshine Coast Regional Council www.sunshinecoast.qld.gov.au
- 5 Sourced directly from The University of Queensland. During 2020, the asset was still in the commissioning phase, with full completion expected in 2021 www.uq.edu.au
- 6 For further information please refer to the Seqwater website www.seqwater.com.au

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