

Capability Statement

Delivering water for prosperity: an end-to-end service

Sunwater has a proud 80-year history of developing and managing bulk water infrastructure throughout Queensland. As one of the country's most progressive, successful water companies we offer an end-to-end service for customers seeking bulk water infrastructure for industrial, mining, irrigation or urban use.

Our capabilities range from assessing the feasibility of water delivery projects, to providing concept, detailed design and production services, to the delivery of water where it's needed.

Sunwater is the 'go-to' organisation for developing and delivering high quality major infrastructure projects worth hundreds of millions of dollars throughout Queensland. We are committed to developing new projects which deliver economic prosperity for our state's communities.

Our operations stretch from the lower Mary River north of Gympie to Mareeba in far north Queensland; south-west of the state from Toowoomba to St George; and in north west Queensland near Cloncurry.

It's our ability to develop new projects from beginning to end, and manage, operate and maintain assets which sets us apart.

We understand our customers' needs and offer complete water solutions wherever they are.

Who we are

Sunwater owns \$13.7 billion in assets and supplies 40 per cent of all water used commercially in Queensland – more than 1.3 million megalitres a year. In the coming years, Sunwater will invest billions in capital into bulk water storage.

Our assets include:

- 19 dams
- 64 weirs and barrages
- 595 km of open channels
- 70 major pumping stations
- 1,951 km of pipelines
- five water treatment plants
- 400+ people across 33 locations.

Our values

Our values underpin everything we do and how we do it. We:

- **value people:** everyone matters, and we are committed to zero harm
- **work together:** we are at our best when we work together as one with our customers front of mind
- **take responsibility:** for delivering on our promises and challenging our thinking.

Working together

We work closely with our customers to provide the best possible water solutions for agriculture, mining, energy, other industrial purposes and local government.

Sunwater staff have the experience, expertise and drive to ensure the water security and longevity of the assets we build and manage in regional Queensland.

Our development and facility management teams strive for continuous improvement – to use water more efficiently and implement business improvements to save our customers valuable time and money.

Our teams consistently deliver high quality water solutions for small to very large, complex projects.

We provide solutions which are cost efficient, reduce the need for asset maintenance, save energy and maintain infrastructure integrity. We work with customers to:

- understand their specific needs
- make the most of available water supplies
- deliver water in the most cost-effective, timely way
- adapt to changing environmental conditions.

*We are at our best
when we work together.*



Early engagement

We encourage customers to come to us when a project is first planned to take advantage of potential synergies and savings during the project's life by sourcing all stages under one roof.

Our in-house capabilities are provided by water industry experts who take a holistic approach to each project.

Close integration of options analysis, design, planning, environmental and construction aspects of a project can reduce long-term costs without compromising the quality of the outcomes.

Results-driven

Sunwater ensures our clients get the most out of their water assets by providing advice on how to balance:

- **reliability** – water where and when it's needed
- **productivity** – optimising supplies to find the right mix
- **growth** – increasing water supply
- **longevity** – ensuring sustainable supplies for the future.

We take a risk-based approach to developing and managing our bulk water infrastructure, so our customers can minimise costs over the lifetime of the assets.

We can work with you to develop a flexible payment plan – choosing whether to contribute financially upfront during project development and construction or over an agreed contract period.

With a long history of developing, maintaining and operating complete storage and delivery schemes involving dams, barrages, weirs, pumping stations, water channels and pipelines, we tailor solutions to suit all kinds of operations in any location.

Our capabilities

Sunwater's team of more than 400 highly-skilled, motivated professionals work closely with our 5,000+ customers to deliver better infrastructure, minimise costs and continuously improve services through business transformation.

In addition, we are one of the largest builders, owners and operators of water pipelines in Queensland. Our technical capabilities include:

- route alignment options and optimisation
- options analysis for the water supply and bulk water delivery infrastructure to our customers
- leading the development and construction of pipelines and storages
- physical hydraulic modelling at our Rocklea laboratory – the second biggest in Australia
- financial modelling and assessment
- in-house environmental management for operational delivery and project development
- planning and modelling water supply plans
- water hammer analysis.
- pipeline/pumping optimisation.



*Ensuring sustainable
supplies for the future.*

Our services provide tailored solutions

Sunwater is a specialist designer, owner, builder and maintainer of pipeline water supply systems. We offer broad-based engineering expertise, specialist skills and tailored end-to-end solutions.

A one-stop shop

We design, develop and deliver bulk water infrastructure projects from beginning to end for new water allocations, water supply and efficient transportation to your site.

Finance 'build own operate' (BOO) water delivery infrastructure

Sunwater can provide flexible funding arrangements for the design, supply and operation of water assets, including agreements to recoup costs over time through mutually-beneficial commercial arrangements. We:

- understand our customers' needs and the fact that water is a crucial part of their round-the-clock operations
- bring all parties together to develop infrastructure to supply water to our customers cost-effectively
- use our in-house expertise to provide consultancy services which meet our clients' needs
- collaborate closely with our customers when developing complex projects
- offer commercially appropriate arrangements based on each customer's unique circumstances.

Delivery partners

We have arrangements in place with our delivery partners BMD/Mitchell and Diona to enable early involvement in projects so we can fast-track infrastructure development and delivery.

By working in partnership with trusted, pre-approved service providers, we offer rapid mobilisation and move quickly on works. Our early contractor involvement model means we can create innovation in design and provide competitive pricing in compressed timeframes.

This delivery partner framework maximises value for clients by using a pre-agreed early contractor and design and construct model.

Clients benefit from the ongoing working relationship Sunwater has with its delivery partners, which is built on a foundation of trust, respect, transparency, collaboration and communication.

Outstanding pipeline construction expertise

Sunwater stands out as one of Australia's top providers of pipeline construction services. Having delivered thousands of kilometres of pipelines over the past 55 years, we have extensive experience in pipeline construction in Australian conditions.

We have the skills and in-house knowledge to deliver high-quality 'fit for purpose' results.

We provide an end-to-end service.



Sunwater's portfolio includes more than 2000 km of pipeline in 24 water supply schemes:

- Woleebee Creek to Glebe Weir Pipeline120 km, 900-1000 mm dia., completed 2014
- Kenya to Chinchilla Weir Pipeline19 km, 630-1000 mm dia., completed 2012
- Cloncurry Pipeline38.7 km, 275-450 mm dia., completed 2010
- Eungella Southern Extension 70 km, 500 mm dia., completed 2007
- Eungella Eastern Extension47 km, 200-450 mm dia., completed 2006
- Stag Creek Pipeline14.9 km, 800-960 mm dia., completed 2006
- Burdekin to Moranbah Pipeline..... 218 km, 800 mm dia., completed 2006
- North West Queensland Pipeline113 km, 500-600 mm dia., completed 1998
- Eungella Water Pipeline..... 122 km, 700 mm dia., completed 1997
- Stanwell Pipeline 28 km, 900 mm dia., completed 1992
- Awoonga Callide Pipeline.....68.5 km, 700 mm dia., completed 1988
- Tarong Pipeline.....95 km, 1100 mm dia., completed 1983

Feature projects

Burdekin to Moranbah Pipeline

Sunwater's 218 km, 800 mm diameter pipeline was developed and completed in 2006. It is critical infrastructure in the Bowen Basin. It links communities and mines with water from the Burdekin Falls Dam- also owned and operated by Sunwater.

The pipeline supports existing mines and can be upgraded using available water in the dam for development of new mines in the area. The pipeline:

- was developed, designed, built and is maintained and operated by Sunwater
- services agricultural properties adjacent to it and the town of Moranbah

- connects to Sunwater's Eungella Pipeline which draws water from Eungella Dam
- delivers water to the Eungella Water Pipeline's Southern and Eastern Extensions.

The project is one of the biggest pipelines in Queensland's history and was finalised ahead of time and on budget.

It demonstrates Sunwater's ability to deliver services in remote areas, with workers battling extreme heat, rugged terrain and drought to finish the project.

A construction crew of up to 320 workers laid up to three kilometres of pipe a day in the course of construction.



Burdekin to Moranbah pipeline

Woleebee Creek to Glebe Weir Pipeline

This 120 km, 900 – 1000 mm diameter pipeline was completed in 2014. It transfers treated coal seam gas water from the Queensland Gas Company's (QGC's) Queensland Curtis LNG (QCLNG) Project site to Sunwater's Glebe Weir, located on the Dawson River.

The pipeline:

- was developed, designed, built and is maintained and operated by Sunwater
- delivers treated water to agricultural customers along the pipeline and on the Dawson River.

The project has delivered economic benefits to customers in the region by making treated water available for industrial purposes and irrigation for agricultural production.

The pipeline transports up to 100 megalitres a day from the Woleebee Creek Water treatment plant to the Glebe Weir.

Sunwater is responsible for monitoring the quality of QGC's treated waste water to ensure it meets strict environmental requirements.

Sunwater trialled new state-of-the-art machinery on this project, speeding up work and reducing labour costs. As a result, the project benefitted from improved productivity and efficiencies.

The Rookwood Weir Project

The Rookwood Weir Project is a landmark project currently underway. The 65,402 megalitre weir will capture water in the lower Fitzroy River, 66 km south-west of Rockhampton, for use across the region.

Sunwater has been involved in all stages of planning and development, including:

- the Environmental Impact Statement (EIS) and all state approvals
- design and development
- delivery in partnership with an industry alliance.

The project involves construction of a concrete weir and upgrades to nearby infrastructure, including:

- a 15.5 m high, 460 m long weir wall with a 210 m concrete monolith spillway
- a multi-chamber bi-directional fishway
- SCADA and remote control of hydraulic outlet works and the fishway.

Infrastructure improvements we are managing:

- the upgrade and widening of 16.2 km of Thirsty Creek Road
- the construction of new intersections on the Capricorn Highway
- building a 21 m high, 260 m long bridge at Riverslea.

Once completed, water from Rookwood Weir will be available for purchase by agricultural and industrial customers.

*Woleebee Creek to
Glebe Weir Pipeline*



Environment

To secure water for the future, Sunwater is committed to protecting the environment – it's a critical part of our value system. We hold Environment AS/NZS 14001 accreditation.

We have a team of environmental specialists who create effective environment and resource management plans, community programs and energy efficiency initiatives, which provide positive environmental, social and economic benefits for communities. Sunwater delivers wherever our customers are based and have the expertise to adapt to local conditions.

Health and safety

There is no compromise on safety

We consider safety first and foremost in all we do, and it underpins our values, culture and operations. We hold Safety AS/NZS 4801 accreditation.

Our 'Switch On' program has impacted positively on staff, encouraging them to stay safe and be accountable for their personal safety and the safety of others. We also provide monthly Toolbox Talks to all staff focusing on safety, health and the environment and all Sunwater meetings start with a safety share.

In addition, our Safety, Health and Environment (SHE) Council has enhanced collaboration and leadership on safety matters.

Quality

Sunwater is committed to providing high quality solutions for every project, every time. Our commitment to excellence is evident in our ISO 9001 accredited Quality Management System and the implementation of the 'plan, do, check, act' Cycle.

We do this through:

- regular inspections and test plans
- carrying out audits
- monitoring
- document control
- continuous improvement.

This ensures we achieve the highest quality outcomes on every project.

Sunwater is committed to environmental, health and safety, and quality assurance.



The Rookwood Weir will hold 65,402 megalitres.

Corporate social responsibility

Our business impacts on diverse communities and we take a hands-on approach to managing our corporate footprint and building stronger relationships. Every aspect of our work involves people – from employees to key stakeholders and the wider communities we operate in.

We are committed to building a secure future for our people and their communities by contributing to local industries; generating jobs, supporting grass roots community programs and providing workplace training and development opportunities for Indigenous Australians.

By keeping our customers informed and educated, we strengthen our ties to the regions where we operate.

Contact Sunwater

Green Square North,
Level 9,
515 St Pauls Terrace,
Fortitude Valley,
Queensland 4006

+61 7 3120 0000

media@sunwater.com.au

www.sunwater.com.au



Delivering water
for prosperity