

Project Development

Water Resources can improve certainty of outcome and reduce surprises during the delivery of a project by ensuring an appropriate delivery strategy, tender documentation and contracts are in place. Our experience enable us to help our clients identify, understand and manage risks while also identifying project opportunities. Our approach enables the development of a competitive procurement strategy which optimise risk allocation and value for money. Our project development services include:

- delivery strategies & procurement planning
- technical specifications
- special conditions of contract
- gateway review services
- business case management
- technical advice
- value engineering
- risk and opportunity assessment (qualitative and quantitative risk register development, control and treatment)
- risk adjusted capital cost and whole of life cost estimation
- budget establishment and contingency allocation
- project planning, scheduling and controls



Project Delivery Support

Water Resources provides a wealth of delivery experience and understands the enormous challenges water projects can face. We provide considered advice to support client decision making in the face of change and our staff are former project leaders and possess extensive experience leading the delivery of complex water infrastructure projects. Our project delivery support services include:

- project governance and reporting
- independent project progress reviews
- due diligence reviews
- project management
- client representative services
- contract administration and superintendent services
- technical review panel services
- owners engineer services

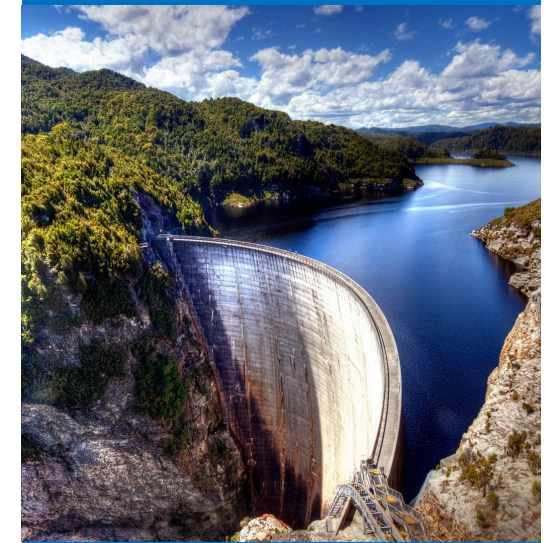
Get in Touch

Do you have a project you would like us to take a look at or wish for an obligation free proposal? Please don't hesitate to send us an email or give us a call.



Water Resources Pty. Ltd.
63 Kersley Road Kenmore
Queensland 4069

Phone: +61 7 3814 2153
E-mail: enquiries@waterresources.com.au
Web: www.waterresources.com.au



Water Supply Planning
Water Infrastructure Design
Project Development
Project Delivery Support

Our Solutions Deliver Water Security

www.waterresources.com.au



About Us

Water Resources is a specialist consultancy with expertise in the provision of water supply planning, water infrastructure design, project development and project delivery.

Water Resources offers professional engineering services and advice in planning, design development and management of bulk water storages and water conveyance systems to customers as diverse as mining and energy industries, local and state governments, water supply boards, contractors and consultants. We combine business experience with engineering services to provide the most effective and efficient outcome for clients.

Water Supply Planning

Bulk water storages and water conveyance systems are built for the long term and require a significant investment to develop and operate effectively. Planning to deliver sustainable outcomes can be complex and a challenging balancing act, with many factors to be considered including the reliability of the water allocations, reliability of the asset, delivery timeframe, the capital and operations costs and associated risks. We partner with our clients to understand their unique challenges to deliver the optimum solution. Our capabilities include:

- feasibility studies
- water supply options studies
- assessment of water markets and trading options
- concept development
- scheduling
- project cost estimating
- economic evaluations and water pricing
- business case development
- strategic planning

Water Infrastructure Design

We prepare designs which are economical, efficient, safe, and meet statutory requirements. We provide consulting services covering new structures or upgrades to existing structures to increase performance, reliability and safety for both bulk water storages and water transmission and distribution systems. Our capabilities include:

Design of bulk water storages such as dams, weirs and offstream storages including:

- dam type comparison and selection
- spillway hydraulic analyses
- stress and stability analyses
- flood routing
- freeboard analyses
- slope protection
- seismic design
- pore water pressure and seepage assessment
- intake, conduit and outlet works design
- fish transfer system design
- failure impact assessment
- dam safety services including inspections and dam safety reviews
- refurbishments and upgrades of bulk water storages

Design of water conveyance systems such as pipelines and channels including:

- route selection
- hydraulic analyses
- pipe type comparison and selection
- trench design
- pipeline and pump station system optimisation
- pipeline and channel grading
- thrust block design
- air valve, scour outlet and control structure design
- waterhammer analyses
- augmentation of pipelines and channels

Water Resources specialises in advisory services relating to water supply infrastructure such as dams, weirs, offstream storages, and pipelines including Water Supply Planning, Water Infrastructure Design, Project Development and Project Delivery Support.

