



Water Advisory Services

Australasia

Halcrow is a multi-disciplinary consultancy specialising in planning, design and management services for infrastructure development. We have an experienced Water Advisory team with significant capability and experience in conducting regulatory reviews and audits, due diligence tasks, sustainability assessments and asset management reviews.

Our Australasian team have established an enviable reputation as an innovative and dedicated service provider in the areas of regulation, sustainability strategy, analysis and reporting using international frameworks that offer flexibility to suit individual circumstances.

Our services

■ Capital and operating expenditure reviews

- historical and proposed expenditure
- review of prudence and efficiency
- trend analysis
- investment drivers
- project costing review.

■ Reviews of capital planning and delivery systems

- project management systems
- project delivery systems
- project approval and review processes.

■ Reviews of asset management plans and systems

- asset management plans and supporting documents
- strategic asset management frameworks
- capital program integration.

■ Reviews of asset lives and asset value estimates

- asset condition assessment
- asset failure/deterioration modelling
- failure mode, effects and criticality analysis
- likelihood/criticality risk assessments
- MEERA/MEAV analysis.

■ Due diligence reviews for water industry assets:

- operational performance reviews
- asset condition assessment
- future risk factors.

■ Technical peer review:

- design review
- process review.

■ Performance audits against an operating licence

- compliance reviews and audits
- lessons learned analysis.

■ Sustainability strategy, management and reporting

- sustainability strategy and review
- sustainability management and resource efficiency
- sustainability analysis
- sustainability indicators
- sustainability reporting and review
- stakeholder engagement and liaison.

■ Strategic planning and review

- water resources management
- water source/supply analysis
- sustainable water strategies
- wastewater system planning
- integrated water cycle management, and
- alternative water supplies.

Clients

Our clients include independent regulators, government departments, local councils, and water businesses including:

- Queensland Competition Authority (QCA) [QLD]
- Independent Pricing and Regulatory Tribunal (IPART) [NSW]
- Essential Services Commission (ESC) [VIC]
- Melbourne Water Corporation [VIC]
- LinkWater [QLD]
- Independent Competition and Regulatory Commission (ICRC) [ACT]
- Department of Sustainability and Environment (DSE) [VIC]
- Economic Regulation Authority (ERA) [WA]
- National Water Commission
- Local government across Australia

Internationally, we have assisted with work for clients including major corporate conglomerates, investment banks and finance partners.

Delivering value – case studies

■ Technical Peer Review of Sugarloaf Pipeline

We were engaged by Melbourne Water to undertake a technical peer review of the design process and construction programming for the \$1.2 billion Sugarloaf Pipeline project. Our peer review involved general consideration of the design of the project, procurement methods, supply chain review, levels of stakeholder consultation, and a number of other technical issues.

■ Review of Capital and Operating Expenditure and Asset Management Systems

We were engaged by the Independent Pricing and Regulatory Tribunal (IPART) to undertake a comprehensive review of Sydney Water Corporation's historical and proposed capital and operating expenditure and asset management systems and processes. We undertook a review of Sydney Water's capital planning delivery systems and processes and also a review of the methods used by Sydney Water to determine asset lives and asset value estimates.

Halcrow has also completed many similar reviews of different water businesses for various regulators across Australia.

■ Review of LinkWater's Asset Management Framework.

We completed a review of LinkWater's asset management framework against industry best practice to assist it in its preparations for the transition to the new regulatory regime to be administered by the QCA. The review identified a number of areas for improvement which will assist LinkWater in creating good business practice and facilitate it meeting the QCA's regulatory requirements.

Contact us

- **Sydney**
tel +61 (0)2 9250 9900
email sydney@halcrow.com
- **Melbourne**
tel +61 (0)3 8682 3900
email melbourne@halcrow.com
- **Brisbane**
tel +61 (0)7 3169 2900
email brisbane@halcrow.com

For your nearest Halcrow office, visit halcrow.com