

Garry Law

Education

- **Canterbury University** **Bachelor of Engineering (Civil) 1967**
 - **Stanford University** **Stanford Executive Programme 1990**
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Strengths

- Engineering, particularly utility infrastructure with environmental significance
 - Operations and maintenance contracting in the water industry
 - Organisation reform, commercialisation / corporatisation of local public services
 - Management of large enterprises with a political interface
 - Heritage management in cultural institutions and protecting cultural heritage
 - Resource management, particularly water resources, protected land and climate change issues
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Current Job Title

- **Principal, Law Associates Ltd Consultants**
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Professional Experience

1997-: PRINCIPAL, LAW ASSOCIATES LTD.

Operation of a consultancy with public and private sector clients providing services in project management, water and wastewater engineering, strategic advice, planning consents, sports stadium development, heritage management.

Capability statements for Law Associates can be found on the web site www.lawas.co.nz

Key Achievements:

- Review of trade wastes practice and policy for Caboolture Shire Council.
- Tendering process for parts of the Auckland metropolitan railways track duplication and electrification project (with others).
- Tender documentation and letting of a water and sewerage reticulation managing contract, Pimpama Coomera package D, for Gold Coast City (with others).
- Documenting and running an EOI process for Metrowater for their Network Services contract renewal.
- Establishing panel of consultants and panel of contractors for Metrowater.
- Review of KPI measures for statewide water performance indicator project for Queensland NRM & W (with others).
- Contract document preparation for Pimpama Coomera package A alliance for Gold Coast City Council (Wastewater and water reuse plants).

- Defining deliverables for Merrimac stage 5 Alliance Contract for Gold Coast City Council.
- KPI definition for a performance based water operations maintenance and capital project management contract for ACTEW-AGL.
- Roads and reservoirs lifelines geotechnical assessment for Waitakere City Council (with others).
- Review of operations and maintenance contracting out for Colliban Water (with others).
- Advice on the management structure of North Shore City Council Water Services and subsequent change implementation (with others).
- Review of the effectiveness of Christchurch Wastewater Treatment Plant (with others).
- Review of development management at the sewerage treatment plant, for North Shore City Council, reviewing development risks in relation to other risks.
- Contractual advice in setting up relationship contracts for system maintenance and operations, North Shore City Council.
- Contractual advice to ACTEW on outsourced operation contract risk allocation.
- Review of development management at the sewerage treatment plant, for North Shore City Council, reviewing development risks in relation to other risks.
- Advice to professional liability insurers in respect of a civil engineering work which did not perform satisfactorily.

1995 -1997: MANAGER BRISBANE WATER, BRISBANE CITY COUNCIL

Responsible for managing a business unit with staff numbers of 1050, income of A\$158m and a capital programme of A\$60m per annum

Key Achievements:

- Undertook a thorough review of work operations from a work unit level working against external benchmarks with a resulting 14% reduction in the work force, without major outsourcing or retrenchments.
- Organised the business around purchasers and providers and ensured the providers had immediate commercial aims to achieve.
- Achieved the establishment of the business as a business unit with its own advisory Board, balance sheet, establishment charter and statement of corporate intent agreed with Council.
- Proposed the corporatisation and financial restructuring of South East Queensland Water Board – which subsequently happened clarifying the ownership and yielding \$90 M to the Council.

1994-95: PRINCIPAL, LAW ASSOCIATES LTD.

Operation of a consultancy with public and private sector clients providing services in project management, water and wastewater engineering, strategic advice, resource management consents, sports stadium development.

1991-94: CHIEF EXECUTIVE, WATERCARE SERVICES LTD.

This company is owned by the Auckland Regional Services Trust. Its Board, a mixture of business people and politicians is responsible to the Trust for the business-like delivery of bulk water and wastewater services to the people of Auckland.

It had 460 staff, and an annual expenditure of NZ\$120m.

Key Achievements:

- Corporatisation of this unit as a Local Authority Trading Enterprise owned by the Regional Services Trust.
- Commenced a program of industrial reform achieving new industrial agreements for the business with a major move of professional and managerial staff to individual contracts.
- Undertook a grass roots examination of cost drivers in the business and took action to eliminate those that did not add value. This was undertaken by joint management / staff teams established in all of the business areas.

1986-1991: GENERAL MANAGER OPERATIONS, AUCKLAND REGIONAL COUNCIL

This position reported to the Chief Executive and was the second most senior office of Council. Responsibilities included bulk water supply, bulk sewage, drainage and treatment, refuse disposal, regional parks and regional roads. Staff totalled over 700 and the budget of NZ\$150m.

Key Achievements:

- Reformed a structure of departments which had existed as the sections which joined the Council when it was formed 20 years earlier. Water and sewerage functions were joined into one operation at this time.
- Undertook major studies of the future supply of water to the region and the options for the disposal of sewerage effluent.
- Took a major leadership role in the work which went to the formation of businesses out of Council functions, including formation of a refuse business (advisor to establishment committee) and a forestry business (member of establishment committee, foundation company secretary)

Earlier Experience - In Brief

1985-86: Chief Engineer and Manager Water, Auckland Regional Council

1984-85: Staff Engineer, Auckland Regional Council

1982-84: Resident Engineer, Mt. Smart Grandstand Construction

1979 - 82 Works and Service Engineer, Auckland International Airport

1971- 1979: Engineer, Water Department, Auckland Regional Council

1969 - 1971: Binnie and Partners, London Engineer on Hong Kong Water scheme design.

1968 - 1969: Auckland City Council

1966- 1968: Tonkin and Taylor, Consulting Engineers, Auckland

Papers to Conferences

Delivered papers to numerous conferences on aspects of water engineering and management:

- **International Progress on Kyoto.** Engineers for Social Responsibility – Sustainable Energy Forum Responding to Oil Depletion and Climate Change Conference. Auckland 2008.
 - **Pimpama Coomera Waterfuture Master Plan Implementation.** Auckland 2007 (with others)
 - **Alliancing and other acquisition strategies in the water industry.** Auckland, 2007
 - **Contracting out services with long lived assets.** Local Government Asset Management Conference, Auckland 2005.
 - **Careers for Leadership.** IPENZ Conference Auckland, 2005.
 - **Abundance and Constraint – A Short History of Water Use in New Zealand.** To NZWWA environment summit, Wellington 2004.
 - **Incorporating Incentives and Consequences Into Performance Based Contracts to Ensure Optimal Outcomes.** Performance Based Contracting Conference, Auckland 2004
 - **Setting Performance Standards for your Maintenance Contract.** Maintenance Management Conference, Auckland 2003
 - (With Rob Lorden) **Contracting Operations and Maintenance Services – Getting the Principal’s and Contractor’s Objectives Aligned Through a New Form of Contract.** To NZ Water and Wastes Association Conference, Rotorua. 2000, repeated to commercial conference 2002.
 - **Local Government Ownership of Water Businesses - Does It Add Value?, Specialist Conference, Auckland 1998**
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Published Papers

Five papers on aspects of management and water engineering, including some of the above, over 20 papers on aspects of New Zealand archaeology.

A full bibliography and copies of some recent papers can be found on the Law Associates website: www.lawas.co.nz

Recent Courses

- Building Act 2004, BRANZ 2005
 - CCMAU Director training course 2002
 - Web Development, Auckland University 2001
 - Global Warming Royal Society of New Zealand 2000
 - Risk Assessment in Water, Australian National Short Course, Adelaide 1999
 - Microfiltration, NZ Water and Wastes Association 1998
 - Waste Composting Course, NZ Water and Wastes Association 1998
 - Erosion and Sediment Control, Industry Registration Course 1997
 - Environmental Law, BCC Internal 1997
 - Infrastructure Financing 1996
 - Learning Organisation Conference, BCC Internal 1996
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Citizenship

New Zealand / Australian / British (Joint)

Study Trips

1999: To the South-west of the USA looking at management and interpretation of archaeological sites with high public visitation.

1993: Wasser Berlin Conference (Water), IFAT Trade Fair (Wastewater), Munich, Wastewater treatment plant site visits, U.K., Thames Water, Anglian Water, Northwest Water.

1988: To Germany, France, Switzerland, United Kingdom, Canada and the United States looking at incinerator operations, composting operations, curbside recycling and processing, talking to regulators and equipment suppliers.

Memberships

- *Institute of Professional Engineers, New Zealand* Fellow
- *Environmental Defence Society* Director
- *Sustainable Energy Forum* Member
- *Auckland Museum* Vice President (Past)
- *Brisbane City Enterprises Ltd* Board (Past)
- *Water Services Association of Australia* Council (Past)
- *Water for Survival* Trustee (Past)
- *N. Z. Society for Large Dams* Council (Past)
- *N. Z. Archaeological Association* President (Past), Webmaster, 2001- present
- *N. Z. Historic Places Trust* Auckland Regional Committee (Past)
- *New Zealand Water and Wastes Association* Member