

LLOYD BADEN PASLEY

Education

Bachelor of Engineering (Mechanical) Hons, University of Auckland, New Zealand; Master of Engineering (Chemical and Process), University of Canterbury, New Zealand; COP Stage II Management Accountancy (Acc 203), University of Canterbury, New Zealand
Additional Studies: CBI Scholarship with Kvaerner Boving Ltd on turbine, controls and gates; Critical Path & Scheduling training course (Lucas Industries); Economic Analysis for Engineers (University of Auckland); Hydro Service & Maintenance seminar (Voith Hydro, USA); Optimisation workshop (ECNZ, Fuel Resources Group); Refurbishment study tour (BC Hydro, TVA, Ontario Hydro, US Bureau of Reclamation); Capital Expenditure Evaluation for Engineers (University of Auckland); 3rd Pro. Elec. Eng Power Systems (University of Canterbury); Refurbishment & Upgrading of Turbines & Governors (Cooma, Australia Kvaerner Hydro); Negotiation Skills (DesignPower);

ASCE Water Power Conferences 1993 & 1995. AWEA Wind Power Conferences 2000-2006

Professional Registrations

Member, Institution of Professional Engineers, New Zealand
Chartered Professional Engineer, New Zealand

Country Experience

New Zealand, Australia, India, United Kingdom, Philippines, Peru, Brazil, Canada, USA

Key History

Lloyd Pasley is a highly qualified engineer who holds a Bachelors degree in Mechanical, and a Masters degree in Chemical and Process Engineering. Complimenting Lloyd's qualifications is nearly 20 years practical field experience. He joined Design Power NZ in 1987 as part of their renewable energy team which was focused on hydro, geothermal and wind power generation. In 1998 DesignPower NZ was purchased by Parsons Brinckerhoff headquartered out of NYC, NY. Mr Pasley transferred to the US to develop PB's wind power business.

Current Assignments

Mr. Pasley is currently based out of New Jersey and has recently worked on or is working on the following assignments:

- Owner's Engineer for 38MW Buena Vista Wind Project under construction in CA, 300MW Cedar Creek Wind Project under development in CO, 50MW Butler Ridge Wind Project under development in WI.
- Due Diligence of Utility Scale Wind Projects in the US Midwest region.
- Transmission Assessments in the Southwest, Midwest, Western and Eastern USA, .

Significant Completed Assignments include:

- Development Engineer for the location, resource analysis, preliminary layout and engineering estimate for Utility Scale Wind Projects in AZ, MA, NY, PA, OH, IL, NM, CO, WY, TX, VA, and AB Canada
- Owner's Engineer including finalizing project layouts, and wind resource analysis, preparation, evaluation and negotiation of RFPs and contracts for WTG supply and Balance of Plant construction, preparation and negotiation of Interconnection Agreements, technical assistance during construction for Utility Scale Wind Projects in PA, IL, WI, OR, NJ
- Due Diligence of 9 Utility Scale Wind Projects in the US Mid-Atlantic region.

- Owner's Engineer for 54MW Crescent Ridge Wind Project in IL, 140MW LIPA offshore wind project off Jones Beach Island, NYC in permitting
- Due diligence of Utility Scale Wind Projects for equity investors for projects in PA and Argentina
- Lender's Engineer for select aspects of Utility Scale Wind Projects in WA, OR, TX, CO
- Preparation of Transmission Interconnection Applications for Utility Scale Wind projects in CA, IL, OR, PA, WI
- Collection System and Transmission Interconnection Conceptual Design for Utility Scale Wind Projects in IL (54MW, 40MW), OR (41MW, 63MW), WI (50MW), CO (50MW, 300MW, 150MW), TX (240MW), KS (100MW)
- Development Engineer for electric system for a modular ocean power generation project
- Preparation of procurement specifications and detailed designs for the >1,000,000 sqft Motorola manufacturing plant Medium Voltage Upgrade, FL, USA
- Preparation of technical aspects of four Grant Applications for USDA grants for small wind projects in rural USA utilizing utility scale turbines. Three applications received grants.
- Preparation of Project Equity Offering Summaries for Projects in Brazil, Peru, and Guatemala
- Preparation of Financial Models for IPP projects in Peru, Brazil, Guatemala, Phillipines, Canada and USA
- Assistance with the preparation of a US\$54 million Offering Memorandum for the securization of a distribution company in Peru
- Mechanical plant specialist/financial analyst for the Independent Engineering Assessment of a BROT project with 2 small hydro stations and an existing 300MW Pumped Storage Scheme with a proposed \$400million 320MW expansion in the Philippines. This included the review of the financial model prepared by the Financial Advisor.
- Preparation and evaluation of Tender Documents for Civil and E&M documents for a 112MW Hydro Project in Peru.
- Refurbishment of Tokaanu Hydro Power Station which was damaged by volcanic ash, after the Ruapehu eruption.
- Design work associated with the award winning project to install overhead lighting protection at the Benmore 220KV switchyards
- Technical audits and document preparation for the Sale and Purchase of 14 hydro stations
- Project Manager of Farakka conceptual design for a 125MW power station on the Ganges River, India
- Design of station component modifications associated with the re-running of Tekapo A Power Station
- Design reviewer of transmission line tower modifications with respect to upgrading towers on the 500 kV DC inter-island link, New Zealand:
- Technical audits for Manapouri and Manowai Power stations
- Design associated with the automation and surveillance systems at 13 hydro stations
- Investigations, design and design review for the automation of 5 hydro power stations
- The selection and implementation of a multi-unit hydro power station optimisation package