

John Barbera

Contact details: phone 0407 751 760
 email rnp_group@bigpond.com
 web <http://rnpgroup.com.au>

Qualifications:

Bachelor of Mechanical Engineering (2nd Class Honours)
Queensland Institute of Technology 1982

AFMA Diploma of Financial Services (Financial Markets) 2008
AFMA Accredited Individual Status 2008

Affiliations:

Member, Institution of Engineers Australia

Background:

Approximately 16 years' experience in Queensland Power Stations (Tarong, Callide and Swanbank) undertaking a number of roles including maintenance, operations, plant performance and outage project management.

Approximately 14 years' experience in market trading roles held from commencement of the National Electricity Market (NEM) in 1998 including physical and derivatives trading, management of gas contracts, market IT systems development, market regulation, risk management, settlements, output and revenue forecasting, environmental products trading and carbon strategy. Roles performed at both practitioner and management levels.

Employment History:

July 2012 to January 2014:	CS Energy Specialist Advisor Business Improvement
August 2006 to June 2012:	CS Energy Manager Portfolio Trading
October 2005 to August 2006:	CS Energy Acting Manager Trading
November 2004 to June 2012:	CS Energy Joint General Manager Callide Power Trading
November 2004 to October 2005:	CS Energy Acting Manager Pool Operations and Manger Regulation
1998 to November 2004:	CS Energy Manager Regulation
1996 to 1998:	Austa Electric Senior Engineer Swanbank A power station
1994 to 1996:	Austa Electric Maintenance Planning and Overhauls Engineer Swanbank power station
1990 to 1994:	Queensland Electricity Commission Overhauls and Outsourcing Contracts Engineer Tarong power station
1989 to 1990:	Queensland Electricity commission Overhaul Engineer Callide B power station
1986 to 1989:	Queensland Electricity Commission Boiler Engineer Callide B power station
1982 to 1985	Queensland Electricity Generating Board Training and Development Engineer

Career Summary:

Leadership roles for the trading function of a significant generator and managing professional teams. Major achievements included preparation for the NEM (Physical Trading, Reporting and Contract Deal Capture systems), introduction of Ancillary Service Markets, negotiation of grid Connection and Access Agreements and gas contract management systems for Swanbank E Power Station.

Achieved recognition as an industry expert in AEMO Physical Market by peers and a long standing member of AEMO's Dispatch and Pricing reference group. Strong understanding of the NEMDE application that sets generation dispatch targets and market prices.

Sound knowledge of ancillary service markets. Involved in design of market frequency control services and successful preparation of tenders for non-market ancillary service contracts.

Recognised expert on Transmission constraints formulation in the NEM, assisting AEMO in developing a training course and being invited by the AEMC to be on a panel to review constraint arrangements in the NEM.

Sound knowledge of market interface systems including bidding and security arrangements with AEMO for submission of bids and receipt of market information including a sound understanding of market information data structures and development of numerous reporting tools for the analysis of market outcomes and competitor behaviour.

Past member of the Australian Financial Markets Association AFMA Environmental committee and previously Electricity Committee. Sound knowledge of derivative trading products and strategies for hedging electricity price risk.

Oversight of gas operations including nomination of gas quantities to optimise costs and avoid imbalance charges and preparation for Short Term Trading Market for gas.

Strong knowledge of regulatory framework and ensuring compliance with rules and management of implementation of Rule changes into systems and processes. Represented CS Energy on National Generators Forum working group for several years to participate in regulatory reviews and promote CS Energy's position. Liaised with State Government and regulators to promote CS Energy's position.

Sound knowledge of legal compliance issues including National Electricity Rules, Queensland Gas Scheme, ASIC Financial Services Reform, Anti-Money Laundering, Trade Practices Act.

Oversight of the forecasting process that provides generation levels, market prices and revenue for preparation of budgets and business plans.

Oversight of trading systems development for management of physical trading, risk management, electricity contracts and environmental products.

Sound understanding various State Environmental measures and Carbon pricing mechanisms. Developed risk management framework, systems and strategies to deal with introduction of these schemes.

Several years' experience in managing overhauls provided experience in leading a large multi-disciplined workforce. Major achievements at Tarong Power Station included completion of outages on time and budget and introduction of risk sharing into contracting arrangements. Major achievement at Swanbank was introduction of contractors into the overhaul workforce.

Extensive knowledge and experience of power station operations including a sound understanding of plant costs and factors that influence fuel efficiency.

Developed and implemented maintenance management strategies for plant and developed and implemented outsourcing arrangements for major plant overhauls at power stations.