

Resources Sector Update



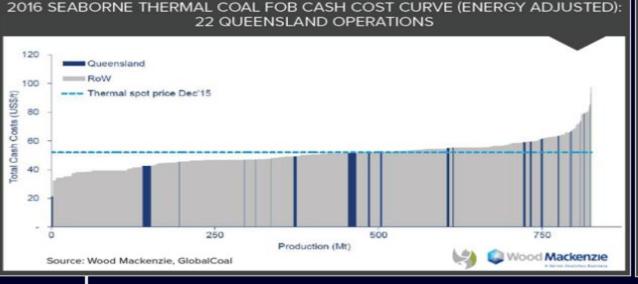


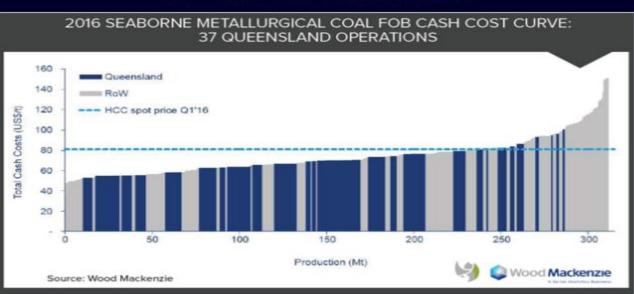


GLOBAL COST CURVES FOR QUEENSLAND COMMODITIES

THERMAL COAL: 22 QLD OPERATIONS

METALLURGICAL COAL: 37 QLD OPERATIONS







• The El Niño has assisted the mature operations with large footprints and water inventories breathing space to manage inventories.

• Smaller footprint sites e.g. stand alone underground operations have been utilising their external water supplies (net importers of water)



Partnership Membership



• The majority of mining companies operating in the Basin remain Partners

Partnership must continue to demonstrate the business case for ongoing membership

 Ownership changes present challenges – more companies to engage often without corporate history of operating in Fitzroy

Ongoing Research \$2.7M

Through ACARP and the Coal Minesite Rehabilitation Fund



- Metal dynamics in the Mackenzie River
- Macroinvertebrate responses to river health
- Tool to Assess Mining Impacts on River Condition
- Macroinvertebrate and water quality surveys
- Ecosystem health indicators for fish
- Development of a Toolbox for Fish Health Assessment in Aquatic Ecosystems Associated With Coal Industries
- Guidelines for Establishing Ecologically Sustainable Discharge Criteria in Seasonally Flowing Streams
- Assessing The Ecotoxicology Of Salinity On Organisms In Seasonally Flowing Streams In The Fitzroy Catchment
- Development Of Ecosystem Protection Trigger Values For Sodium Sulfate In Seasonally Flowing Streams Of The Fitzroy River Basin
- Understanding water and salt dynamics to facilitate mine water management
- Reducing Analytical and Water Quality Monitoring Costs Using Diffusive Gradients in Thin Film Technique
- Incorporating Salinity into the Source Catchments Model for the Fitzroy Basin Long Term Salt Generation from Coal Spoils

Research often filling knowledge gaps identified by FPRH