

PROJECT DATA

Derby Tidal Power Feasibility

CLIENT	Western Australian Office of Energy
PROJECT LOCATION	Derby, Western Australia
DATE OF PROJECT	2002
SERVICES PROVIDED	Preliminary environmental feasibility



The Western Australian Office of Energy has been considering a range of possible renewable energy options for the State; one such option was a tidal power station near Derby in the Kimberley region. Hydro Tasmania Consulting was contracted to undertake a preliminary environmental feasibility assessment for the project.

The project was unique, as few environmental assessments of proposed tidal power stations have previously not been undertaken in tropical regions. Hydro Tasmania Consulting initiated some innovative approaches to overcome a range of technical difficulties, resulting in a comprehensive assessment of potential environmental impacts. Project compliance with State and Commonwealth environmental legislative requirements was a key issue that was successfully resolved. Site selection, construction and maintenance, impacts to marine and terrestrial fauna and flora and socio-economic impacts were other significant components of the assessment process.

The assessment indicated that a tidal power station was potentially feasible in the Kimberley region. A number of issues were identified and assessed, but it was determined that these could be adequately mitigated to ensure that the requirements for obtaining environmental approvals for the project would be met.

LEADERS IN CONSULTABILITY



Head Office
4 Elizabeth Street
Hobart, Tasmania 7000
GPO Box 355, Hobart
Tasmania 7001, Australia
PHONE 1300 360 441
FAX +61 3 6230 5460
EMAIL
consulting@hydro.com.au
Hydro Tasmania is a business
of the Hydro-Electric Corporation
www.hydrotasmaniiconsulting.com.au



Hydro Tasmania
Consulting