

# PROJECT DATA

## P&WS - Energy Options Study



### CLIENT

Department of Parks and Wildlife  
Services Tasmania

### PROJECT LOCATION

Bruny Island, Maria Island, Maatsuyker  
Island and Deal island

### DATE OF PROJECT

2003 - 2005

### SERVICES PROVIDED

- Site Identification
- Renewable energy resource assessment
- Load profile and site analysis
- Energy Efficiency review
- Completed funding applications
- Obtaining development approvals.
- Design and specifications (sub-contracted)
- Project Management and supervision of construction



Parks and Wildlife Service Tasmania (P&WS) has a number of remote island locations off the coast of Tasmania, Australia. Each site is independent of the main Tasmanian electricity grid, and possesses significant cultural heritage values. They are home to some of Australia's most remote lighthouses.

The P&WS own and manage the power supply system, but increasing diesel cost and limited load capacity is affecting their continued operation. Hydro Tasmania Consulting was contracted to develop a renewable energy system that will provide a reliable energy supply capable of delivering adequate power, and ensure long-term sustainability.

To determine the most appropriate system, Hydro Tasmania carried out a full independent feasibility study for each location. Assessment included technical feasibility, economic feasibility, resource availability, environmental benefits or costs, and operation and maintenance costs. Comprehensive consideration of heritage and environmental issues were taken into account when considering renewable options.

Hydro Tasmania has delivered solar/diesel systems to two of the four identified islands. The third and fourth site comprise of solar/diesel plus wind generation.

LEADERS IN CONSULTABILITY



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