

Q. ENERGY SUPPLY

PUB 38.0 (RE: B- 10, Hydro Plants Facility Rehabilitation, Volume II, Energy Supply, Appendix I)

PUB 38.2

Provide details concerning the 2008 forecast expenditure for Cape Broyle of \$1.098,000.

A. The 2008 forecast expenditure for the Cape Broyle project includes the following major items of work:

- Replace the existing generator control and protection panels.
- Replace the existing transformer (T1) protection panel.
- Replace the existing transmission line (66L) protection panel.
- Replace the existing hydraulic governor with an all-electric governor.
- Refurbish the switchgear.
- Replace power cables between generator and switchgear.
- Replace station service transformers in the substation.

The final design shall incorporate the following:

- Black start capability.
- Enhanced remote monitoring and control through SCADA.
- Redundant systems (automatic and manual) for synchronizing.
- Digital voltage regulation.
- Improved electrical and mechanical protection.
- Standardization with other plants in the system.