



9th January, 2018

To ElectraNet,

consultation@electranet.com.au

Dear Sir/Madam,

Re: Eyre Peninsula Electricity Supply Options PADR feedback

Please accept the following submission on behalf of the Eyre Peninsula Mineral & Energy Resources Community Development Taskforce (Taskforce) in regard to the Eyre Peninsula Electricity Supply Options, Project Assessment Draft Report.

Of greatest importance to the Taskforce is that Electranet designs and upgrades the existing transmission line to the Eyre Peninsula to enable a consistent, reliable and cost effective electricity supply to the region that carries sufficient capacity for future transmission expansion.

It is acknowledged that significant time and effort has been applied to the RIT-T by Electranet in developing the various options for the replacement of the existing transmission line. Electranet should also be acknowledged for the consideration given to the community input in developing the ten variants to the original five options.

The Taskforce considers that replacing the failing components of the existing transmission line is not an option that should be considered by Electranet or supported by the Regulator. Meeting the current South Australian Electricity Transmission Code reliability standards for the Eyre Peninsula as a minimum using a radial 132 kV network should not be considered.

Of the options explored and considered the Taskforce supports the highest ranked preferred option (Option 4B) that involves building and operating a double-circuit higher capacity 275kV line from Cultana to Yadnarie and a double-circuit 132 kV line from Yadnarie to Port Lincoln. Extension of the 275kV double-circuit to Port Lincoln does not appear to be justified at this time, but should not be discounted entirely should circumstances change.

Option 4B meets reliability standards and also offers greater redundancy than a single radial network. It provides additional capacity for future requirements at minimal cost to the consumer and provides opportunity to have greater influence on the National Electricity Market.

The economic analysis and modeling of the options by HoustonKemp is thorough and appears to include all known influences both financial and physical. Of note is the conclusion that Option 4B is the preferred option regardless of the influence of significant mining activities that may or may not be developed on Eyre Peninsula or the development of additional “green energy” generation.

In conclusion, the Taskforce supports to the preferred Option 4B to construct a double-circuit higher capacity 275kV line from Cultana to Yadnarie and a double circuit 132 kV line from Yadnarie to Port Lincoln at an estimated cost of \$300 million.

Business as usual or replacing the existing ageing radial 132 kV network with like for like must not be considered as a viable option.

Yours sincerely,



Geoff Dodd
Taskforce Coordinator
Eyre Peninsula Minerals & Energy Resources Community Development Taskforce