

A Submission re the Eyre Peninsula Electricity Supply Upgrade.

A new 3 phase high voltage transmission line should be constructed from Port Augusta to Upper Eyre Peninsula, at Wudinna, or better still to Ceduna.

This new line to be at least equal to the existing line from Port Augusta to the Rudall Substation, and the link from Wudinna (or Ceduna) to Rudall via Port Lincoln upgraded to the same capacity.

This would provide a Ring Route for E.P, and double the capacity.

The benefit would be in the event of a break in the H. V. Line to allow power to be accessed either side of the break thus eliminating long black outs.

The Wind Farms at the Cleve Hills and Cathedral Rocks would be sources of generation, and also Wind Generation could also be considered at other places such as near Elliston, Streaky Bay, Ceduna, and Kimba, to feed into the grid.

Another key consideration should be the regular maintenance of the Port Lincoln Power Station to supply the Base Load to allow the Wind Farms input acceptable, as their input is too variable on their own.

In the event that there was no wind the Port Lincoln Power Station would be able to supply a limited amount of Power on a rotational basis, till mains reconnected.

Probably once a month an operator should start up each unit in the Port Lincoln Power Station and put it on line for may be an hour, to keep it ready to go whenever required.

The fuel tanks should be able to be used by a Fuel Company as part of their storage capacity, so that that company could use from them and replace periodically, so that the fuel would not be left in the tanks indefinitely, but be full or nearly so all the time. Port Augusta should have generating capacity to have input to supply the regulating Base Load for Wind Farms near by.

Strategically placed Base Stations are necessary until storage capacity is affordable and in place and in their stead.

Reliance on Power from Interstate is, I believe not cheap nor in the best interest of South Australians, and virtually forcing people to put in their own power plants, is in the longer term more expensive, and would also create much more exhaust gases, which is regarded as pollution.

Personally I have been a Power Station Operator in the Streaky Bay Power Station when it was operating, and more recently at Woomera in 1997-1998, while the new Power Line was being built from Port Augusta to Olympic Dam. During that time Woomera Power Station was used both as part of the Grid System, and also as a stand alone operation when required.

Yours Sincerely, *Fred Gerschwitz*
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