

RECEIVED

21 Sep 2018

DPTI

David Morris

21/09/2018

To: DPTI

Comments on the Draft State Planning Policy 2018

Comments on Policy Area 12 ENERGY

1. Build a 600MW CCGT plant at Port Augusta to supply reliable base load generation through the existing network.
2. Use gas recovered from the Leigh Creek coal seam to power it.
3. Build a 200MW small modular nuclear reactor at Roxby Downs.
4. Long term, build a 1000 MW nuclear plant between Roxby Downs and Pt Augusta.
5. Calculate how much it will cost to install batteries to power the whole state for 12 hours, 24 hours, 48 hours if the connection to the National Grid is lost, wind isn't blowing or the sun isn't shining. Then spend that money on points 1 and 2 above.
6. Provide figures for how much gas and diesel are burned providing spinning reserve for wind power plants. Put that money towards points 1 and 2 above.
7. Only give planning approval to power stations which can produce dispatchable power 24/7 ie gas or nuclear.
8. SA is already oversupplied with wind energy and grid stability has at times been seriously compromised by this over reliance on generation which is unreliable, not dispatchable and non-synchronous. This situation will only get worse if more wind power plants are built.
9. AEMO has set limits in place to control instability caused by too much wind energy in the SA Grid.¹ The current AEMO imposed limit on non-synchronous generation into the grid in South Australia is 1295 MW². SA currently has 1810 MW of wind farm generation³ which exceeds AEMO's limit by 515 MW.
10. Addition of more wind farms in SA is not of benefit to the stability of the grid, reliability of supply or the economic wellbeing of the community/State.
- 11. Wind power plants can no longer be considered "essential public infrastructure"**
- 12. Development of wind power plants should no longer be "envisaged" or encouraged or State Sponsored.**
13. SA has amended legislation to open up the Pastoral areas for wind power development. The easternmost area of the Pastoral zone near NSW and Victoria is the only area of the state which should be considered for further wind farm development and only if a new interconnector is provided to carry power to the Eastern states.
14. There is absolutely no justification for developing further wind farms in the settled areas of SA.

¹ <http://aemo.com.au/Market-Notices?searchString=60252>

² ibid

³ <http://anero.id/energy/wind-energy/>

Wind farms in South Australia (SA1)		
BLUFF1	The Bluff Wind Farm	52
CATHROCK	Cathedral Rocks	66
CLEMGPWF	Clements Gap Wind Farm	57
CNUNDAWF	Canunda Wind Farm	46
HALLWF1	Hallett 1 Wind Farm	94
HALLWF2	Hallett 2 Wind Farm	71
HDWF1	Hornsedale Wind Farm	102
HDWF2	Hornsedale Wind Farm 2	102
HDWF3	Hornsedale Wind Farm 3	112
LKBONNY1	Lake Bonney Wind Farm Stage 1	80
LKBONNY2	Lake Bonney Stage 2 Windfarm	159
LKBONNY3	Lake Bonney Stage 3 Wind Farm	39
MTMILLAR	Mt Millar Wind Farm	70
NBHWF1	North Brown Hill Wind Farm	132
SNOWNTH1	Snowtown Wind Farm Stage 2 North	144
SNOWSTH1	Snowtown South Wind Farm	126
SNOWTWN1	Snowtown Wind Farm Units 1 And 47	99
STARHLWF	Starfish Hill Wind Farm	34
WATERLWF	Waterloo Wind Farm	131
WPWF	Wattle Point Wind Farm	91
Total SA registered wind power generation		1,810 MW

Wind farm generation Friday 21 Sept 2018 at 3:30 AEST = 203 MW

SA is powered by 203 MW wind, 651 MW gas and 129 MW from Victoria



