

Kalbarri Microgrid to improve the reliability of electricity supply in Kalbarri

Our submission is in respect to my wife and myself and is in full support of having a microgrid installed in Kalbarri as soon as possible.

We are particularly supportive of a microgrid featuring a network battery which will be able to supply 5MW of peak capacity with at least 2MWh of energy storage. Additional capacity to be provided through renewable energy from rooftop solar and a local wind farm.

Having lived in Kalbarri for 30 years we have experienced everything that Western Power can throw at a town. Enough is enough. Again we were subjected to a 9 hour power outage Saturday 9/12/2017 and summer has only just begun. We had a precursor of what was coming on Thursday 7/12/2017 when out of nowhere the power goes off and then back on at 9.30pm. No explanation given, more damage to our precious electrical items and go and reset all the clocks again.

Hopefully, a microgrid will address or alleviate:-

- 1. That poor reliability in Kalbarri has affected business and/or home life.**
- 2. That a reliable electricity supply is essential to the town, particularly during the peak tourism season.**
- 3. That the Kalbarri microgrid is a feasible and efficient solution to improve reliability of electricity supply.**
- 4. That Western Power be allowed to investigate microgrids, and other non-traditional 'poles and wires' network solutions, and should invest in them where prudent to do so. The sooner the better.**

Errol and Barbara Haskell

10/12/2017