

# EYRE PENINSULA REINFORCEMENT PROJECT

## Yadnarie to Ungarra route alignment identified

**ElectraNet has identified a preferred alignment for the future transmission line upgrade for the southern section between Yadnarie and Ungarra, based on the findings of many technical and field surveys of the transmission line corridor, community feedback and a rigorous multi-criteria analysis process.**

The identification of this southern section follows on from last year's announcement and negotiation of easement options for the northern section between Cultana and Yadnarie

and leaves only the section between Ungarra and Port Lincoln to be investigated further.

The exact date the new transmission line will be required, depends on electricity load demand. Securing the future route and easement for the new line now ensures the eventual construction can proceed as soon as a load trigger occurs.

ElectraNet will now engage directly with landowners along this stretch of the southern section to discuss the route and options for acquiring a new easement.

## KEY STARTING POINTS

The planning study to identify the preferred route for the new replacement transmission line began with an assessment of a corridor spanning 200 metres either side of the existing line. This provided a direct route between the fixed connection points at Cultana, Middleback, Yadnarie and Port Lincoln. The study looked at the opportunities and constraints for a replacement within this corridor and any drivers for deviation. The investigations were based on the potential need for the route to carry a new above ground 275,000 Volt line, which would cater for the Eyre Peninsula in all potential electricity demand scenarios for the next 50 years.

## ONGOING WORK BELOW UNGARRA

ElectraNet is still working to identify a preferred route for the future replacement transmission line in the southern section between Ungarra and Port Lincoln.

Work continues to take place exploring constraints within the study corridor, particularly around White Flats and Boston (behind Port Lincoln), where relatively recent residential development has come much closer to the existing transmission line.

## PREFERRED ROUTE

ElectraNet has identified the preferred route for the future replacement of the southern section of the Eyre Peninsula transmission line, between Yadnarie and Ungarra.

The preferred route runs almost parallel to the existing transmission line, on its western side.

The preferred route was identified by evaluating the information gathered through desk-top research, technical field studies, direct engagement with landowners and the Eyre Peninsula community, as well as extensive ground-truthing. This process included a geo-spatial multi-criteria analysis, which assessed various alignment options to identify the route that best balances environmental, cultural, social, land use, engineering and cost criteria.



Existing line indicated in red, study corridor in blue and proposed new easement in orange. Image is indicative only and not to scale.

## Characteristics of the identified route

**The identified route for the southern section between Yadnarie and Ungarra achieves the best balance among environmental, cultural, social, land use, engineering and cost criteria. The route:**

- **has the least net environmental impact** as it enables the use of existing access tracks to minimise vegetation clearance. This contains potential environmental impacts to the one area, instead of creating vast new areas of impact. Detailed flora and fauna studies have mapped ecological communities to enable effective tower micro-siting, further minimising potential impact
- **recognises culturally sensitive sites** which will be managed through an Aboriginal Cultural Heritage

Management Plan collaboratively established between ElectraNet and the Barngarla Peoples. The Plan will include ways of managing and protecting identified Aboriginal heritage values within the proposed line corridor, before, during and after construction of the new line

- **reflects community preferences** to contain the new and old infrastructure within the same corridor and be located on the western side of the existing line. This was the stronger preference expressed in landowner feedback received by ElectraNet
- **achieves the lowest long-run cost for consumers** as it is the shortest, most direct route between its fixed connection points.



### KEEP UP-TO-DATE

If you have any queries, feedback or would like to keep updated, please contact ElectraNet's Community Engagement Consultant at [community.liaison@electranet.com.au](mailto:community.liaison@electranet.com.au), toll-free on 1800 890 376 or visit [electranet.com.au](http://electranet.com.au). You may also write in to **PO Box 7096, Hutt Street Post Office, Adelaide SA 5000.**