

13.5 **REPORT TITLE: SA POWER NETWORKS NEW
 INFRASTRUCTURE**

DATE OF MEETING: 3 NOVEMBER 2014

FILE NUMBER: 48/030/112

Purpose:

To advise that SA Power Networks (SAPN) has made a decision on the location of the required new 66KV line being option 3 and that further work is to be undertaken on the identification of a suitable site for a new electricity substation.

Summary – Key Issues:

- SAPN has determined that option 3 is the route that will be used for the new 66kv line;
- As suggested by Council, SAPN is supportive of a collaborative process to be undertaken on the identification of a suitable site for a new electricity substation;
- A further agenda item will be prepared in due course regarding location options for the new substation.

Background:

1. SAPN indicated that new infrastructure is required to service the demand of the growth in Mount Barker.
2. This entailed a 66Kv overhead line and a new substation to the South East of Mount Barker.
3. In early 2013 a Steering Group was convened by the State Government which included Council and SAPN representatives.
4. The Steering Group established criteria and assessed possible route options.
5. Subsequently SAPN facilitated an extensive community consultation process on four route options.
6. At the Council meeting held on 17 March 2014 it was resolved that Council:
 - i. Advise SAPN and the Chair of the Project Steering Group that it:*
 - b. acknowledges the circumstances that underpin SAPN's decision to reject undergrounding supply on the grounds that, in respect of its entire length, it is cost prohibitive and for other reasons not feasible.*

- c. remains of the view that undergrounding the 66kV line for its full extent in the growth area is the preferred option for electricity supply.*
 - d. endorses SAPN's intention to identify critical areas where undergrounding would be desirable or necessary.*
 - e. confirms that it supports the recommendations of the Steering Group in respect of Line Route Option 3 as being the best available under the circumstances.*
 - f. expects the identification of undergrounding opportunities and the finalisation of the route alignment in detail and the selection of a substation site to be the subject of consideration by the joint working group proposed by Council.*
- i. 2. Endorse the communication strategy as outlined in Attachment 3.*

Discussion:

- 7. SAPN has now decision made and announced its decision being option 3 (see attachment 1).
- 8. SAPN has a communication strategy in place to ensure that stakeholders are aware of the decision.
- 9. A sample SAPN letter to directly affected land owners is attached (attachment 2).
- 10. A slightly varied letter from SAPN has gone to other stakeholders.
- 11. Council owned land (fronting Bald Hills Road and Springs Road) is directly impacted by option 3.
- 12. In due course Council and SAPN will discuss the preferred positioning of this section of the 66Kv line including easement arrangements and financial compensation to Council for same.
- 13. The Council Master Plan for the Ministerial DPA area will need to be updated to reflect the decision of SAPN.
- 14. Likewise the Mount Barker, Littlehampton and Nairne Strategic Infrastructure Plan will need to be altered to include this when it is next updated.
- 15. SAPN have advised Council that the substation site options investigation process is intended to follow a similar process to the determination of the 66kv route, in terms of consultation and site planning/selection.

16. Council has also been advised that the substation is anticipated to be required by 2020, subject to growth rates and the timing of development of significant users (eg: Neighbourhood Centres, Schools etc).
17. SAPN have communicated to Council that an area of 100m x 100m is required to accommodate the substation with appropriate buffer areas. Their preference is to locate the substation on a site with two road frontages on or near the 66kv line route and more centrally to the anticipated load/demand. Council resolved at its Meeting of 12 August 2013 that the most appropriate site for the new substation is within the Light Industrial Zone adjacent Wellington Road.
18. Council Staff have communicated to SAPN the benefits of establishing a landscape buffer as early on as possible once the site has been determined. This will assist in maximising the benefits of the vegetation screening early on after the construction of the substation.

Conclusion

The SAPN decision means another piece in the infrastructure to service growth from the 2010 Ministerial DPA puzzle is now in place.

The process for investigating possible sites for the new substation location is an important one.

Key Contact

Brian Clancey	Marc Voortman
General Manager	Manager
Infrastructure & Projects	Planning Policy & Strategy

Sponsor of Project

Andrew Stuart

Attachments

1. Plan showing route option 3 (Trim 14/101834)
2. SAPN model letter to directly affected land owners (Trim 14/101833)

Mount Barker Redevelopment

Proposed 66,000 Volts Powerline

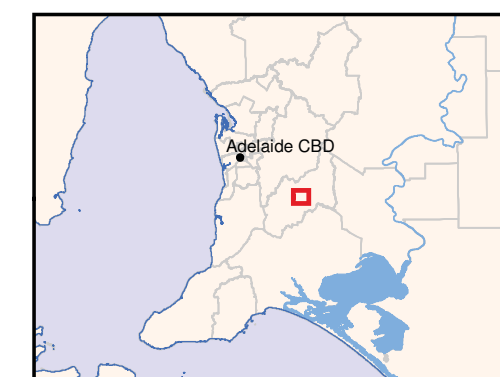
Attachment 1 to Item 13.5

Legend

- Place of Interest
- Railway Lines
- Arterial Road
- Main Road
- Secondary Road
- Minor Road
- Unsealed Road
- Proposed 66,000 Volts Powerline
- Cadastre
- Possible Substation Locations
- Existing Substation Site
- Parks & Reserves

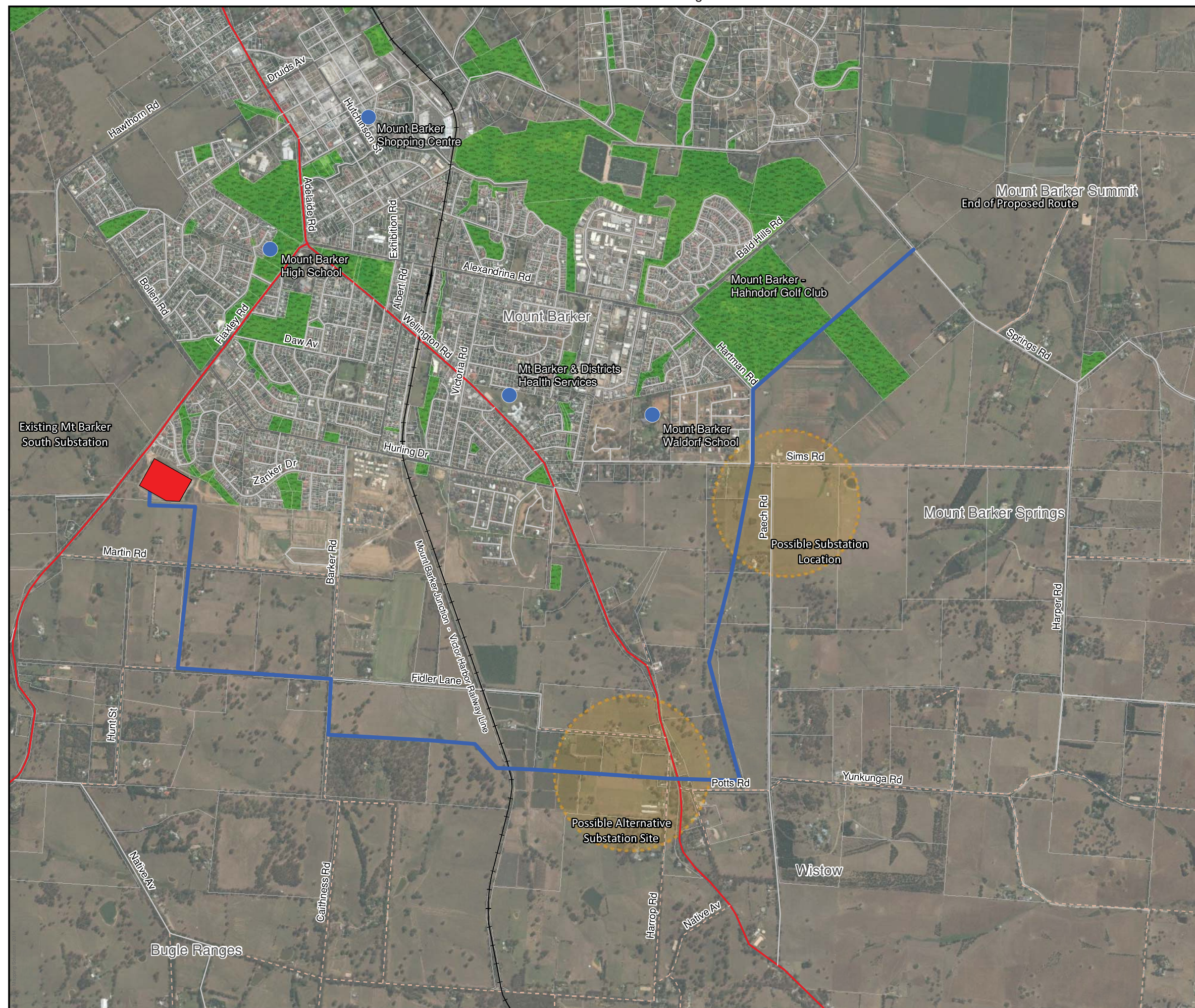
Scale at A3 1:19,627

0 170 340 680 m



GDA 94 - MGA Zone 54
Map generated October 2014 by
Avante Mapping Solutions
Data Source:
DPTI, DPLG, SA Power Networks

The accuracy of the information shown on this plot is not guaranteed and no responsibility is accepted by SAPN, Convergen, Avante Mapping Solutions, or their officer, agents and servants for any loss or damage caused by reliance upon this information, as a result of any error, omission or misdescription here on whether caused by negligence or otherwise.



Attachment 2 to Item 13.5



«Name»
«Org»
«Address»
«Town» SA «Postcode»

XX October 2014

Dear «Name»,

Mount Barker Township Development Area – Future Power Supply

I am writing to advise you of our decision on the route for the new overhead power supply for future development adjacent to the Mount Barker Township.

As you know, four different overhead 66,000 Volt (66kV) power line routes to service the future residential, community, commercial and light industrial land uses planned for Mt Barker were identified and assessed. The options were presented to landowners, developers and interested community members in August 2013 and a total of 41 submissions were subsequently received by SA Power Networks.

This feedback was analysed by the project Steering Group, comprising representatives from SA Power Networks, the District Council of Mt Barker and the Department of Planning, Transport and Infrastructure (DPTI), and was a key factor in the assessment of the four different power line options.

Line Option 3, as shown on the attached map, has been selected by SA Power Networks as the final route for the overhead power line. This option was considered the best fit against the selection criteria and was also preferred by Council and DPTI. No final decision has been made on the site for an associated new substation although a central location is preferred. We are continuing to assess potential substation site options in collaboration with Council.

The new line and substation are expected to be constructed in about six to ten years when the Mount Barker region requires additional electrical network capacity. The exact timing will depend on the rate of growth of the Mount Barker region's electrical consumption.

We will now commence preliminary discussions with all directly affected landowners to enable planning and early concept design work to begin, and identify potential easement locations. Please note that receipt of this letter is not confirmation that an easement is required on your property as this will depend on your property's exact location with respect to the final line route.

Our project team will be in contact with you shortly to arrange an appropriate date and time to meet.

If you would like more information in the meantime, please contact our Customer Relations team on 13 12 61 or email at customerrelations@sapowernetworks.com.au.

Yours sincerely,



Ann Crichton
Network Project Manager, Strategic Projects



www.sapowernetworks.com.au

