

31 July 2019



Infrastructure SA
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Dear Sir/Madam,

Thank you for the opportunity to respond to the Infrastructure SA 20 Year Strategy Discussion Paper.

SABRENet has a 15 year history of creating a unique fibre-optic network infrastructure asset for South Australia through a mutually beneficial collaboration between the three major universities (University of Adelaide, Flinders University and University of South Australia), Defence Science and Technology Group at Edinburgh and the South Australian Government.

SABRENet now connects more than 240 sites across the Adelaide Greater Metropolitan Area, which makes it one of the most cost effective fibre based networks for research, education and support for innovation available anywhere in the world. Schools connected to SABRENet for example are able to fund and realise the benefits from their own connectivity to the national research and education network is above par when compared with other states. One of SABRENet's core functions is to provide high speed network capacity for the university, VET and schools sectors.

The SABRENet network is also now underpinning Adelaide's growing innovation economy providing the underpinning technology for the GigCity service now operating in 22 innovation precincts including Lot 14, Tonsley, Advanced Manufacturing , with the Prospect Road Innovation Precinct being the most recent GigCity connection established by SABRENet. Adelaide's reputation as a hyper-connected city has been enhanced by the GigCity project and Adelaide's status as the only non-US city to be included in the US Ignite program for smart gigabit communities. The IgniteSA program, led by the University of South Australia, is now launching its first group of smart gigabit applications.

SABRENet's uniquely South Australian success story delivers substantial benefits to our state. SABRENet has a well-established track record for delivery of projects and services to benefit the South Australian people. We are proud to implement the Government of South Australia's Adelaide GigCity service, making affordable superfast broadband services available to innovation precincts and now contribute further through being part of the Infrastructure SA 20 Year Strategy conversation.

SABRENet is already supporting a range of initiatives outline in the Infrastructure SA 20 Year Strategy including currently being in discussion with administration of the Tandanya National Aboriginal Cultural Institute to ensure that the Aboriginal Art and Culture Gallery at Lot Fourteen can interact seamlessly with the existing Grenfell Street premises. SABRENet connectivity for these sites can also provide a platform for increased coordination with the South Australian Museum, Art Gallery of South Australia, History Trust of South Australia and State Library of South Australia, all of which are connected by SABRENet as the GigCity North Terrace Cultural Precinct.

No doubt you will receive many suggestions about extending or expanding civil infrastructure (roads, rail, tram, underground power lines, water and sewer pipes). SABRENet's fibre optic infrastructure is

also, at its core, civil infrastructure. It therefore makes sense to consider the installation of fibre-optic infrastructure whenever undertaking other civil construction projects (e.g. fibre optic infrastructure can be installed when major power or water systems are being constructed). The added cost of installing fibre-optic infrastructure at the same time as undertaking other civil construction is very small in comparison to the cost of the main project. SABRENet has a long history working with SA Government departments such as Department of Planning, Transport and Infrastructure to actualize opportunities for shared fibre infrastructure development (eg the installation of a joint fibre cable along the Seaford rail line is a current example).

SABRENet understands the importance of the regions to SA's economic future and growth. High speed connectivity to undertake research, education and support for innovation permits the regions to further expand, take advantage of new technology, diversify industries and create community and economic growth.

SABRENet has, and will continue to make, a transformational contribution to the South Australian economy through the provision of fibre optic based infrastructure to enable research, education and support for innovation. The fibre-optic infrastructure available to these sectors via SABRENet in metropolitan Adelaide is world leading and extending it to the regions would provide a further boost to SA's economy.

Fibre-optic infrastructure investments that should be considered over the next 20 years include improving the connectivity for research, education and innovation sectors by extending high speed connectivity (in contrast to the limited speed that NBN can provide) via fibre-optic cable to:

- **Whyalla and Eyre Peninsula:** Extend high speed connectivity to Pt. Lincoln (leveraging off recent construction of fibre optic cable between Pt. Augusta and Whyalla) and activate Pt. Lincoln as an Innovation Precinct.
- **Yorke and Mid North:** Activate Port Pirie as an Innovation Precinct by leveraging the fibre optic cable that already passes close by.
- **Far North:** Activate Port Augusta as an Innovation Precinct by leveraging the fibre optic cable that already passes through the town.
- **Limestone Coast:** Activate Naracoorte as an Innovation Precinct by leveraging the fibre optic cable that already passes close by.
- **Hills, Fleurieu and Kangaroo Island:** Extend high speed connectivity to Mt Barker and activate as an Innovation Precinct.
- **Barossa:** Extend high speed connectivity into the Barossa and activate major towns as Innovation Precincts.
- **Murraylands and Riverland:** Extend high speed connectivity to the Murraylands and Riverland and activate major towns as Innovation Precincts.

I would welcome an opportunity to provide you with further information on any aspect of SABRENet and/or this submission.

Yours sincerely

[DELETED]

Sandra Vallance

CEO, SABRENet Ltd.