

18 July 2017

Update on major projects and developments

Consumer Advisory Panel

Rainer Korte

Executive Manager Asset Management

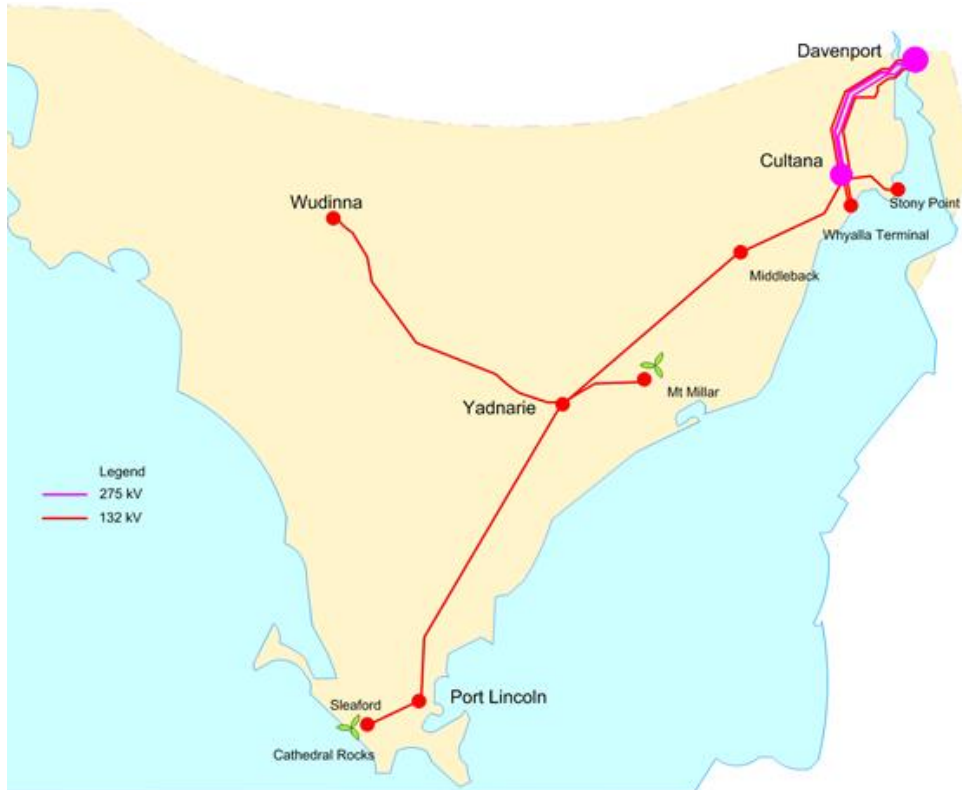
Major projects and developments

- > South Australian Energy Transformation RIT-T, investigating the feasibility of new interconnector options and non-network alternatives
- > Eyre Peninsula electricity supply options
- > SA Government Energy Plan
- > ElectraNet proof of concept battery energy storage project
- > AEMO and ElectraNet investigations into what's needed to ensure safe and reliable electricity supply under conditions of low system strength
- > Special protection scheme to ensure successful islanded operation of SA power system when needed
- > Finkel report recommendations & Rule changes

SA Energy Transformation RIT-T

- > Investigating the feasibility of new interconnector options and non-network alternatives to put downward pressure on price and improve system security
- > SA Government Energy Plan announced in March 2017 has increased future scenarios to be considered and work to be undertaken
- > Currently validating early results
- > Stakeholder communication planned near end August 2017 to provide progress update
- > Target for Draft Report is November 2017 with final report to follow in early 2018

Eyre Peninsula electricity supply options



Current maximum demand is about 55 MW southwest of Cultana with about 35 MW at Port Lincoln

- > Project Specification Consultation Report (PSCR) published 28 April – submissions close on 21 July
- > Public forums held on 26 and 29 June in Port Lincoln and Adelaide respectively
- > Key feedback themes included calls for higher capacity infrastructure
- > ESCOSA report on review of Eyre Peninsula reliability released earlier in July
- > Refer to public forum slide pack

SA Government Energy Plan

- > Government has announced that its 100 MW battery storage tender has been won by Tesla and renewable energy developer Neoen – to be implemented by summer
- > Back-up diesel generators (up to 200 MW) will also be in place for summer
- > Proposed 250 MW gas turbine – no further announcements have been made
- > Energy Security Target implementation has been deferred by 6 months to 1 January 2018 (pending progress on Commonwealth Clean Energy Target)

Other developments

- > ElectraNet proof of concept battery storage project to demonstrate the role of battery storage in integrating renewable energy and delivering improved reliability outcomes for customers
- > AEMO and ElectraNet investigations into what's needed to ensure safe and reliable electricity supply under conditions of low system strength
- > Special protection scheme to ensure successful islanded operation of SA power system when needed
- > Finkel report recommendations and Rule changes

Current major Rule changes

- > Transmission Connection and Planning Arrangements (final)
 - Introduces new information requirements and significant changes to the network connection process

- > Managing power system fault levels (draft*)
 - Proposes new obligations on transmission networks to maintain minimum system strength standards

- > Managing rate of change of power system frequency (draft*)
 - Proposes new obligations on transmission networks to maintain minimum inertia standards

* Submissions on the draft Rule changes are due to the AEMC by 8 August 2017

Questions

