

Network Capability Incentive Parameter Action Plan (2014-2019)

Project Number	33
Project Priority	18
Transmission Circuit / Injection Point	Savage River Spur 110 kV Wesley Vale Spur 110 kV Sheffield–Devonport 110 kV Knights Road–Kermandie 110 kV Palmerston–Avoca 110 kV
Project	Transmission line substandard clearance compliance program
Scope of works	LIDAR survey of transmission lines at risk of substandard clearances and remedial works to rectify identified substandard clearances.
Reasons to undertake the project	It is suspected that a number of transmission circuit spans may have substandard ground clearances. Through minimal investment, rectification of these spans will achieve compliance, and is also likely to result in an increase in line rating and capability.
Current value of the limit	Existing transmission line design temperature.
Target limit	Increased transmission line design temperature. Quantification of the increase is not possible to predict until LIDAR surveys are complete.
Priority project improvement target	Completion of LIDAR survey for circuits of interest. Rectification of substandard clearances. Increase in line design temperature where possible.
Completion date	June 2019
Capital cost	\$3,720,000
Operational cost	\$0
Market benefit	Collection of line clearance data to facilitate rerating of surveyed transmission lines. Potential increases in line ratings depending on survey findings. This project will ensure that Transend continues to maintain transmission line clearance compliance. The annualised market benefit of this project is approximately \$287,000.