

Network Capability Incentive Parameter Action Plan (2014-2019)

Project Number	6
Project Priority	1
Transmission Circuit / Injection Point	Whole System
Project	Continued operation and maintenance of existing transmission line dynamic ratings systems
Scope of works	The ongoing calibration and maintenance of Transend's network of weather stations
Reasons to undertake the project	The continued operation and maintenance of the dynamic ratings system will continue to maximize the power transfer capability of the transmission network, including critical 220 kV transmission corridors. It is estimated that the dynamic ratings system currently provides up to 20 per cent additional network capability compared to the application of static ratings.
Current value of the limit	Underlying static rating limitations inherent in a transmission network that would apply in the absence of a dynamic ratings system.
Target limit	Continued operation and maintenance of dynamic ratings systems.
Priority project improvement target	Continued reliance on dynamic ratings, resulting in maximisation of network capability.
Completion date	June 2019
Capital cost	\$0k
Operational cost	\$800k
Market benefit	Continued utilisation of dynamic ratings, resulting in maximisation of network capability. It is estimated that Transend's dynamic ratings system provides an additional 20 per cent network capability compared to the application of static ratings. Together with Project #7, it is estimated that the continued implementation of dynamic ratings provides an annual market benefit of approximately \$15,200,000.