

# Network Capability Incentive Parameter Action Plan (2014-2019)

<b>Project Number</b>	32
<b>Project Priority</b>	13
<b>Transmission Circuit / Injection Point</b>	Creek Road Substation Chapel Street Substation Devonport Substation Trevallyn Substation Hadspen Substation Sheffield Substation Farrell Substation
<b>Project</b>	Weather station telemetry renewal
<b>Scope of works</b>	Relocation and/or upgrade of weather station assets at seven sites.
<b>Reasons to undertake the project</b>	<p>This project will achieve:</p> <ul style="list-style-type: none"> <li>the upgrade of weather station telemetry at sites where assets are approaching end of life, replacing these assets with new low-power assets with a lower lifecycle cost; and</li> <li>the relocation of weather station assets from inside Transend's substations to a secure location outside the switchyard. This relocation will facilitate more effective site access, removing the requirement for an EHV Substation Operator to attend, at lower ongoing cost to Transend, while also providing data with greater accuracy than is currently supplied.</li> </ul> <p>The ongoing operation of Transend's dynamic ratings system will continue to provide an estimated 20 per cent increase in total network capability. Failure to undertake these asset renewal activities will result in a deterioration in weather station data reliability and quality, ultimately compromising Transend's ability to continue to implement dynamic ratings.</p>
<b>Current value of the limit</b>	Transend currently relies on weather station assets that are approaching end of life, jeopardizing the ongoing provision of reliable and accurate atmospheric data at the lowest possible cost to consumers.
<b>Target limit</b>	Renewal of weather stations, ensuring that these sites continue to provide accurate and reliable atmospheric data in the long term, at the lowest whole of life cost to consumers.
<b>Priority project improvement target</b>	Relocation and/or upgrade of weather station assets at seven sites.
<b>Completion date</b>	June 2019
<b>Capital cost</b>	\$1,050,000
<b>Operational cost</b>	\$0
<b>Market benefit</b>	<p>Continued operation of, and reliance upon, Transend's dynamic ratings system. This provides significant additional system capability in comparison to the scenario where dynamic ratings were not implemented and supporting systems are not renewed and maintained.</p> <p>The annualised market benefit of this project is approximately \$225,000.</p>